

# Recombinant Human UDP-glucose 6-dehydrogenase(UGDH)

Catalog No: #AP70903

Package Size: #AP70903-1 20ug #AP70903-2 100ug #AP70903-3 1mg

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## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Human UDP-glucose 6-dehydrogenase(UGDH)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen Description | Expression Region:1-494aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Accession No.         | O60701                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Calculated MW         | 71 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tag Info              | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Target Sequence       | MFEIKKICCGAGYVGGPTCSVIAHMCPEIRVTVDVNESRINAWNSPTLPIYEPGLKEVVESCRGKNLFFSTNI<br>DDAIKEADLVFISVNTPTKTYGMKGRAADLKYEACARRIVQNSNGYKIVTEKSTVPVRAAESIRRIDFANTKP<br>NLNLQVLSNPEFLAEGTAIKDLKNPDRVLIGGDETPEGQRAVQALCAVYEHWWPREKILTNTWSSSELSKLAAN<br>AFLAQRISINSISALCEATGADVEEVATAIGMDQRIGNKFLKASVGFGGSCFQKDVNLVYLCEALNLEPVARY<br>WQQVIDMNDYQRRRFASRIIDSLFNTVTDDKIALGFAFKKDTGDTRESSSIYISKYLMDEGAHLHIYDPKVPRE<br>QIVVDLSHPGVSEDDQVSRLVTISKDPYEACDGAHAVVICTEWD MFKELDYERIHKKMLKPAFIFDGRRLDGL<br>HNELQTIGFQIETIGKKVSSKRIPYAPSGEIPKFSLQDPPNKKPKV |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                 |

## Background

Involved in the biosynthesis of glycosaminoglycans; hyaluronan, chondroitin sulfate, and heparan sulfate.

## References

Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuehmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011)Research Topic:Cell Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.