

# Recombinant Human Geranylgeranyl pyrophosphate synthase(GGPS1)

Catalog No: #AP70335

Package Size: #AP70335-1 20ug #AP70335-2 100ug #AP70335-3 1mg

## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Human Geranylgeranyl pyrophosphate synthase(GGPS1)                                                                                                                                                                                                                                                                                                                                  |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen Description | Expression Region:1-300aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                              |
| Other Names           | (2E,6E)-farnesyl diphosphate synthaseDimethylallyltranstransferase (EC:2.5.1.1)Farnesyl diphosphate synthaseFarnesyltranstransferase (EC:2.5.1.29)Geranylgeranyl diphosphate synthaseGeranyltranstransferase (EC:2.5.1.10)                                                                                                                                                                      |
| Accession No.         | O95749                                                                                                                                                                                                                                                                                                                                                                                          |
| Calculated MW         | 50.9 kDa                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag Info              | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                    |
| Target Sequence       | MEKTQETVQRILLEPYKYLLQLPGKQVTRTKLSQAFNHWLKVPEDKLQIIIEVTEMLHNASLLIDDIEDNSKLRRG<br>FPVAHSIYGIPSVINSANYVYFLGLEKVLTDHPDAVKLFTRQELLEHQGGQLDIYWRDNYTCPTEEYKAMVL<br>QKTGGLFGLAVGLMQLFSDYKEDLKPLLNTLGLFFQIRDDYANLHSKEYSENKSFCDLTEGKFSFPTIHAIWS<br>RPESTQVQNILRQRTENIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGGNPELVALVKHLSKMFKE<br>ENE                                                                      |
| 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

Catalyzes the trans-addition of the three molecules of IPP onto DMAPP to form geranylgeranyl pyrophosphate, an important precursor of carotenoids and geranylated proteins.

## References

N-terminal acetylome analyses and functional insights of the N-terminal acetyltransferase NatB.Van Damme P., Lasa M., Polevoda B., Gazquez C., Elosegui-Artola A., Kim D.S., De Juan-Pardo E., Demeyer K., Hole K., Larrea E., Timmerman E., Prieto J., Arnesen T., Sherman F., Gevaert K., Aldabe R.Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012)Research Topic:Cancer

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