

# Recombinant Human Epoxide hydrolase 1(EPHX1)

Catalog No: #AP70273

Package Size: #AP70273-1 20ug #AP70273-2 100ug #AP70273-3 1mg

## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Product Name          | Recombinant Human Epoxide hydrolase 1(EPHX1)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen Description | Expression Region:1-455aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Other Names           | Epoxide hydratase;Microsomal epoxide hydrolase                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Accession No.         | P07099                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Calculated MW         | 68.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tag Info              | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Target Sequence       | MWLEILLTSVLGFAIYWFISRDKEETLPLEDGWWGPGTRSAAREDDSIKPFKVETSDEEIHDLHQRIDKFRFTP<br>PLEDSCFHYGFNSNYLKKVISYWRNEFDWKKQVEILNRYPHFKTKIEGLDIHFIHVKKPPQLPAGHTPKPLLMVH<br>GWPGSFYEFYKIIPLLTDPKNHGLSDEHVFVVICPSIPGYGFSEASSKKGFNSVATARIFYKLMRLGFGFEFYIQ<br>GGDWGSLICTNMAQLVPSHVKGHLNLMALVLSNFSTLTLLGQRFGRFLGLTERDVELLYPVKEKVFYSLMRE<br>SGYMHQCTKPDTVGSALNDSPVGLAAYILEKFSTWTNTEFRYLEDGGLERKFSLDDLLTNVMLYWTTGTIIS<br>QRFYKENLGQGWMTQKHERMKVYVPTGFSAPFELLHTPEKWVRFKYPKLISYSYVMVRGGHFAAFEEPELLA<br>QDIRKFLSVLERQ |
| 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

Biotransformation enzyme that catalyzes the hydrolysis of arene and aliphatic epoxides to less reactive and more water soluble dihydrodiols by the trans addition of water.

## References

An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014) Research Topic:Metabolism

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