

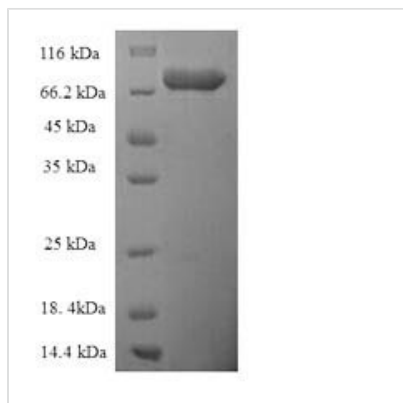


Recombinant Human Bifunctional Epoxide hydrolase 2 (EPHX2)

Product Code	CSB-EP007735HU
Relevance	Bifunctional enzyme. The C-terminal domain has epoxide hydrolase activity and acts on epoxides (alkene oxides, oxiranes) and arene oxides. Plays a role in xenobiotic metabolism by degrading potentially toxic epoxides. Also determines steady-state levels of physiological mediators. The N-terminal domain has lipid phosphatase activity, with the highest activity towards threo-9,10-phosphonooxy-hydroxy-octadecanoic acid, followed by erythro-9,10-phosphonooxy-hydroxy-octadecanoic acid, 12-phosphonooxy-octadec-9Z-enoic acid, 12-phosphonooxy-octadec-9E-enoic acid, and p-nitrophenyl phosphate.
Abbreviation	Recombinant Human EPHX2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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.
Uniprot No.	P34913
Alias	Epoxide hydratase;Soluble epoxide hydrolase ;SEHLipid-phosphate phosphatase (EC:3.1.3.76)
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MTLRAAVFDLDGVLALPAVFGVLGRTEEALALPRGLLNDAFQKGGPEGATTRL MKGEITLSQWIPLMEENCRKCSETAKVCLPKNFSIKEIFDKAISARKINRPMLQA ALMLRKKGFTTAILTNTWLDDRAERDGLAQLMCELKMHFDLIESCQVGMVKP EPQIYKFLDRTLKASPSEVVFLDDIGANLKPARDLGMVTILVQDTDALKELEKV TGIQLLNTPAPLPTSCNPSDMSHGYVTVKPRVRLHFVELGSGPAVCLCHGFPE SWYSWRYQIPALAQAGYRVLAMDMKGYGESSAPPEIEEYCMEVLCKEMVTF DKLGLSQAVFIGHDWGGMLVWYMALFYPERVRAVASLNTPFIPANPNMSPLE SIKANPVFDYQLYFQEPGVAEAELEQNLRSRTFKSLFRASDESVLMSHKVCEAG GLFVNSPEEPSLSRMVTEEEIQFYVQQFKKSGFRGPLNWRNEMERNWKWAC KSLGRKILIPALMVTAEKDFVLPQMSQHMEDWIPHLKRGHIEDCGHWTQMDK PTEVNQILIKWLDSARNPPVVSKM
Research Area	Cancer
Source	E.coli
Target Names	EPHX2
Protein Names	Recommended name: Epoxide hydrolase 2 EC= 3.3.2.10Alternative name(s): Cytosolic epoxide hydrolase Short name= CEH Epoxide hydratase Soluble epoxide hydrolase Short name= SEH



Expression Region	1-555aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	78.6kDa
Protein Length	Full Length

Image

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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.