

Epoxide hydrolase 2 Recombinant Protein | EPHX2 recombinant protein

Recombinant Human Bifunctional epoxide hydrolase 2

CATALOG #
AAA113165

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

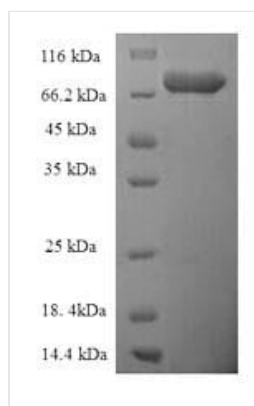
PRODUCT SYNONYMS

Epoxide hydrolase 2; Recombinant Human Bifunctional epoxide hydrolase 2; Epoxide hydratase; Soluble epoxide hydrolase; SHE; Lipid-phosphate phosphatase (EC:3.1.3.76); EPHX2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-555aa; Full Length
Sequence	MTLRAAVFDL DGVLPALPAVF GVLGRTEEAL ALPRGLLND A FQKGGPEGAT TRLMKGEITL SQWIPLMEEN CRKCSETAKV CLPKNFSIKE IFDKAISARK INRPMLQAAL MLRKKGFTTA ILTNTWLDDR AERDGLAQLM CELKMHFDL IESCQVGMVK PEPQIYKFL DTLKASPSEV VFLDDIGANL KPARDLGMVT ILVQD TDAL KELEKVTGIQ LLNTPAPLPT SCNP SDMSHG YVTVKPRVRL HFVELGSGPA VCLCHGFPES WYSWRYQIPA LAQAGYRVLA MDMKGYGESS APPEIEEYCM EVLCKEMVTF LDKLGLSQAV FIGHDWGGML VWYMALFYPE RVRAVASLNT PFIPANPNMS PLESIKANPV FDYQLYFQEP GVAEAELEQN LSRTFKSLFR ASDESVL SMH KVCEAGGLFV NSPEEPSLSR MVTEEEIQFY VQQFKKSGFR GPLNWYRNME RNWKWACKSL GRKILIPALM VTAEKDFVLV PQMSQH MEDW IPHLKRGHIE DCGHWTQMDK PTEVNQILIK WLSDARNPP VVSKM
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for EPHX2 recombinant protein	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-phosphonoxy-hydroxy-octadecanoic acid, followed by erythro-9,10-phosphonoxy-hydroxy-octadecanoic acid, 12-phosphonoxy-octadec-9Z-enoic acid, 12-phosphonoxy-octadec-9E-enoic acid, and p-nitrophenyl phosphatase.
Product Categories/Family for EPHX2 recombinant protein	Cancer
References	cDNA cloning and expression of a soluble epoxide hydrolase from human liver.Beetham J.K., Tian T., Hammock B.D.Arch. Biochem. Biophys. 305:197-201(1993)

NCBI AND UNIPROT INFORMATION

NCBI GI #	374532800
NCBI GeneID	2053
NCBI Accession #	NP_001243411.1
NCBI GenBank Nucleotide #	NM_001256482.1
UniProt Accession #	P34913; Q16764; Q9HBJ1; Q9HBJ2; B2Z3B1; B3KTU8; B3KUA0; G3V134; J3KPH7
Molecular Weight	78.6 kDa
NCBI Official Full Name	bifunctional epoxide hydrolase 2 isoform b
NCBI Official Synonym Full Names	epoxide hydrolase 2
NCBI Official Symbol	EPHX2
NCBI Official Synonym Symbols	CEH; SEH
NCBI Protein Information	bifunctional epoxide hydrolase 2
UniProt Protein Name	Bifunctional epoxide hydrolase 2
UniProt Gene Name	EPHX2
UniProt Synonym Gene Names	CEH; SEH
UniProt Entry Name	HYES_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.