

32-6742: EPHX1 Human, Sf9

Alternative Name : Epoxide hydrolase 1, Epoxide hydratase, Microsomal epoxide hydrolase, Meh, EPHX1, EPHX, EPOX, Epoxide Hydrolase 1 Microsomal, Microsomal Epoxide Hydrolase, EC 3.3.2.9, HYL1

Description

Source: Sf9, Insect cells.

Sterile Filtered colorless solution.

Epoxide Hydrolase 1 Microsomal (EPHX1) is a vital biotransformation enzyme which transfers epoxides from the degradation of aromatic compounds to trans-dihydrodiols that can be conjugated and excreted from the body. Epoxide hydrolase plays a role in both activation and detoxification of epoxides. Mutations in EPHX1 trigger preeclampsia, epoxide hydrolase deficiency or increased epoxide hydrolase activity.

EPHX1 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 442 amino acids (21-455 a.a.) and having a molecular mass of 51.5kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). EPHX1 is expressed with an 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 85% as determined by SDS-PAGE.

Content : EPHX1 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) 50% glycerol, 1mM DTT and 0.1M NaCl.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MRDKEETLPL EDGWWGPGTR SAAREDD SIR PFKVETSDEE IHDLHQRIDK FRFTPPLEDS CFHYGFNSNY LKKVISYWRN EFDWKKQVEI LNRYPHFVK IEGLDIHFIH VKPPQLPAGH TPKPLLMVHG WPGSFYEFYK IIPLLTDPKN HGLSDEHVFE VICPSIPGYG FSEASSKKG F NSVATARIFY KLMLRLGFQE FYIQGGDWGS LICTNMAQLV PSHVKGHLN MALVLSNFST LLLLLQRF RFLGLTERDV ELLYPVKEK FYSLMRESGY MHIQCTKPD T VGSALNDSPV GLAAYILEKF STWTNTEFRY LEDGGLERKF SLDDLNTVM LYWTTGTIIS SQRFYKENLG QGWMTQKHER MKVYVPTGFS AFPPELLHTP EKWVRFKYPK LISYSYVMVRG GHFAAFEEPE LLAQDIRKFL SVLERQH H H H H H H H H.