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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 anÂ 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 SAAREDDSIR PFKVETSDEE IHDLHQRIDK FRFTPPLEDS CFHYGFNSNY LKKVISYWRN EFDWKKQVEI LNRYPHFKTK IEGLDIHFIH VKPPQLPAGH TPKPLLMVHG WPGSFYEFYK IIPLLTDPKN HGLSDEHVFE VICPSIPGYG FSEASSKKGF NSVATARIFY KLMLRLGFQE FYIQGGDWGS LICTNMAQLV PSHVKGLHLN MALVLSNFST LTLLLGQRFG RFLGLTERDV ELLYPVKEKV FYSLMRESGY MHIQCTKPDT VGSALNDSPV GLAAYILEKF STWTNTEFRY LEDGGLERKF SLDDLLTNVM LYWTTGTIIS SQRFYKENLG QGWMTQKHER MKVYVPTGFS AFPFELLHTP EKWVRFKYPK LISYSYMVRG GHFAAFEEPE LLAQDIRKFL SVLERQHHHH HH.