

## 32-2313: EPHX1 Recombinant Protein

**Alternative Name :** Epoxide hydrolase 1, microsomal (xenobiotic), MEH, EPHX, EPOX, Epoxide hydratase, Microsomal epoxide hydrolase.

### Description

Source : Escherichia Coli. EPHX1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 451 amino acids (21-455a.a) and having a molecular mass of 52.2kDa. EPHX1 is fused to a 16 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The EPHX1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.  
**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 :** MASMTGGQQM GRGSHMRDKE ETLPLEDGWW GPGTRSAARE DDSIRPFKVE TSDEEIHDLH  
QRIDKFRFTP PLEDSCFHYG FNSNYLKKVI SYWRNEFDWK KQVEILNRYP HFKTKIEGLD  
IHFIHVKPPQ LPAGHTPKPL LMVHGWPGSF YEFYKIIPLL TDPKNHGLSD EHVFEVICPS  
IPGYGFSEAS SKKGFNSVAT ARIFYKLMLR LGFQEFYIQG GDWGSLECTN MAQLVPSHVK  
GLHLNMLVL SNFSTLTL LLL GQRFGFRFLGL TERDVELLYP VKEKVFYSLM RESGYMHIQC  
TKPDTVGSAL NDSPVGLAAY ILEKFSTWTN TEFRYLEDGG LERKFSLDDL LTNVMLYWTT  
GTIISSQRFY KENLGQGWM T QKHERMKVYV PTGFSAFPFE LLHTPEKWVR FKYPKLISYS  
YMVRRGGHFAA FEPELLAQD IRKFLSVLER Q.

