

Epoxide Hydrolase 1 Microsomal Human Recombinant

Item Number	rAP-1189
Synonyms	Epoxide hydrolase 1, microsomal (xenobiotic), MEH, EPHX, EPOX, Epoxide hydratase, Microsomal epoxide hydrolase.
Description	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.
Uniprot Accession Number	P07099
Amino Acid Sequence	MASMTGGGQQM GRGSHMRDKE ETLPLEDGWW GPGTRSAARE DDSIRPFKVE TSDEEIHDLH QRIDKFRFTP PLEDSCFHYG FNSNYLKKVI SYWRNEFDWK KQVEILNRYF HFKTKIEGLD IHFIHVKPPQ LPAGHTPKPL LMVHGWPFSF YEFYKIIPLL TDPKNHGLSD EHVFEVICPS IPGYGFSEAS SKKGFNSVAT ARIFYKLMLR LGFQEFYIQG GDWGS LIC TN MAQLVPSHVK GLHLN MALVL SNFSTLTLL GQRFGRFLGL TERDVELLYP VKEKVFYSLM RESGYMHIQC TKPDTVGSAL NDSPVGLAAY ILEKF- STWTN TEFRYLEDGG LERKFSLDDL LTNVMLYWTT GTIISQRFY KENLGQGWM T QKHERMKVYV PTGFSAFPFE LLHTPEKWVR FKYPKLISYS YMVRGGHFAA FEEPELLAQD IRKFLSVLER Q.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The EPHX1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**