

Product datasheet for **AR51380PU-N**

Epoxide hydrolase 1 / EPHX1 (T7 tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Epoxide hydrolase 1 / EPHX1 (T7 tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MASMTGGQOM</u> <u>GRGSHMRDKE</u> ETLPLEDGWW GPGTRSAARE DDSIRPFKVE TSDEEIHDLH QRIDKFRFTP PLEDSCFHYG FNSNYLKKVI SYWRNEFDWK KQVEILNRYF HFKTKIEGLD IHFIHVKPPQ LPAGHTPKPL MVHGWPGSF YEFYKIPLL TDPKNHGLSD EHVFEVICPS IPGYGFSEAS SKKGFNSVAT ARIFYKLMLR LGFQEFYIQG GDWGSLECTN MAQLVPSHVK GLHLNLMALVL SNFSTLTLLL GQRFGRFLGL TERDVELLYP VKEKVFYSLM RESGYMHIQC TKPDTVGSAL NDSPVGLAAY ILEKFSTWTN TEFRYLEDGG LERKFSLDDL LTNVMLYWTT GTIISQRFY KENLGQGWM T QKHERMKVYV PTGFSAFPFE LLHTPEKWVR FKYPKLISYS YMVRGGHFAA FEEPELLAQD IRKFLSVLER Q
Tag:	T7-tag
Predicted MW:	52.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human EPHX1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_000111</u>
Locus ID:	2052
UniProt ID:	<u>P07099</u> , <u>R4SBI6</u>
Cytogenetics:	1q42.12



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Synonyms: EPHX; EPOX; HYL1; MEH

Summary: Epoxide hydrolase is a critical biotransformation enzyme that converts epoxides from the degradation of aromatic compounds to trans-dihydrodiols which can be conjugated and excreted from the body. Epoxide hydrolase functions in both the activation and detoxification of epoxides. Mutations in this gene cause preeclampsia, epoxide hydrolase deficiency or increased epoxide hydrolase activity. Alternatively spliced transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Dec 2008]

Protein Families: Druggable Genome, Protease

Protein Pathways: Metabolism of xenobiotics by cytochrome P450

Product images:

