

AR51380PU-S

Human Epoxide hydrolase 1 / EPHX1 (T7 tag) - Purified

Alternate names:

EPHX, EPOX, Epoxide hydratase, Microsomal epoxide hydrolase

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P07099](#)

NCBI:

[NP_000111](#)

GeneID:

[2052](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Description:

Recombinant human EPHX1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MASMTGGQOM GRGSHMRDKE ETLPLEDGGW GPGTRSAARE DDSIRPFKVE TSDEEIHDLH
QRIDKFRFTP PLEDSCFHYG FNSNYLKKVI SYWRNEFDWK KQVEILNRYF HFKTKIEGLD
IHFIHVKPPQ LPAGHTPKPL MVHGWPGRF YEFYKIIPLL TDPKNHGLSD EHVFEVICPS
IPGYGFSEAS SKKGFNSVAT ARIFYKLMLR LGFQEFYIQG GDWGSLECTN MAQLVPSHVK
GLHLNMAVLV SNFSTLTLL GQRFGRFLGL TERDVELLYP VKEKVFYSLM RESGYMHIQC
TKPDTVGSAL NDSPVGLAAY ILEKFSTWTN TEFRYLEDGG LERKFSLLDL LTNVMLYWT
GTIISQRFY KENLGQGWMT QKHERMKVYV PTGFSAFPFE LLHTPEKWVR FKYPKLISYS
YMVRRGGHFAA FEEPELLAQD IRKFLSVLER Q

Molecular weight: 52.2 kDa (451aa)

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.
Shelf life: one year from despatch.

General Readings:

Nguyen HL, et al. RNA, (2013). PMID 23564882.

Wang S, et al. Tumour Biol, (2013). PMID 23378225.

Pictures:

