

EPHX1, 21- 455aa Human, T7-tagged, E.coli

Cat.NO.: TP02034

3th Edition

Synonyms:Epoxide hydrolase 1, microsomal (xenobiotic), Epoxide hydrolase 1, microsomal (xenobiotic), MEH, EPHX, EPOX

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

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Molecular Weight:52.2 kDa (451aa)

Sequences:

MASMTGGQQMGRGSHMRDKEETLPLEDGWWGPGTRSAAREDDSIKPFKVFETSDEEIHDLHQRIDKFRFTPPLED
SCFHYGFNSNYLKKVISYWRNEFDWKKQVEILNRYPHFKTKIEGLDIHFIHVKPPQLPAGHTPKPLLMVHGWPGSFY
EFYKIIPLLTDPKNHGLSDEHVFEVICPSIPGYGFSEASSKKGFNVSATARIFYKLMLRLGFQEFYIQGGDWGSLICTN
MAQLVPSHVKGLHLNLMALVLSNFSTLTLGQRFRFLGLTERDVELLYPVKEKVFYSLMRESGYMHIQCTKPDTV
GSALNDSPVGLAAYILEKFSTWTNTEFRYLEDGGLERKFSLDDLLTNVMLYWTTGTIISQRFYKENLGQGWMTQK
HERMKVYVPTGFSAFPFELLHTPEKWVRFKYPKLISYSYMVRGGHFAAFEPELLAQDIRKFLSVLERQ

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.