Recombinant Full Length Human EPHX2 Protein, GST-tagged

Cat. No. EPHX2-4386HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPHX2 full-length ORF (NP_001970.2, 1 a.a. - 555 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	555 amino acids
Description	This gene encodes a member of the epoxide hydrolase family. The protein, found in both the cytosol and peroxisomes, binds to specific epoxides and converts them to the corresponding dihydrodiols. Mutations in this gene have been associated with familial hypercholesterolemia. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2012]
Molecular Mass	89 kDa
AA Sequence	MTLRAAVFDLDGVLALPAVFGVLGRTEEALALPRGLLNDAFQKGGPEGATTRLMKG EITLSQWIPLMEENCRKCSETAKVCLPKNFSIKEIFDKAISARKINRPMLQAALMLRKK GFTTAILTNTWLDDRAERDGLAQLMCELKMHFDFLIESCQVGMVKPEPQIYKFLLDT LKASPSEVVFLDDIGANLKPARDLGMVTILVQDTDTALKELEKVTGIQLLNTPAPLPTS CNPSDMSHGYVTVKPRVRLHFVELGSGPAVCLCHGFPESWYSWRYQIPALAQAGY RVLAMDMKGYGESSAPPEIEEYCMEVLCKEMVTFLDKLGLSQAVFIGHDWGGMLV WYMALFYPERVRAVASLNTPFIPANPNMSPLESIKANPVFDYQLYFQEPGVAEAELE QNLSRTFKSLFRASDESVLSMHKVCEAGGLFVNSPEEPSLSRMVTEEEIQFYVQQF

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	KKSGFRGPLNWYRNMERNWKWACKSLGRKILIPALMVTAEKDFVLVPQMSQHMED WIPHLKRGHIEDCGHWTQMDKPTEVNQILIKWLDSDARNPPVVSKM
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	EPHX2 epoxide hydrolase 2, cytoplasmic [Homo sapiens]
Official Symbol	EPHX2
Synonyms	EPHX2; epoxide hydrolase 2, cytoplasmic; epoxide hydrolase 2; epoxide hydratase; epoxide hydrolase, soluble; epoxide hydrolase 2, cytosolic; CEH; SEH;
Gene ID	2053
mRNA Refseq	NM_001256482
Protein Refseq	NP_001243411
MIM	132811

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UniProt ID	P34913

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