abcam

Product datasheet

Recombinant Human Epoxide hydrolase protein (denatured) ab177622

1 Image

Description

Product name	Recombinant Human Epoxide hydrolase protein (denatured)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P07099
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MASMTGGQQM GRGSHMRDKE ETLPLEDGWW GPGTRSAARE DDSIRPFKVE TSDEEIHDLH QRIDKFRFTP PLEDSCFHYG FNSNYLKKVI SYWRNEFDWK KQVEILNRYP HFKTKIEGLD IHFIHVKPPQ LPAGHTPKPL LMVHGWPGSF YEFYKIIPLL TDPKNHGLSD EHVFEVICPS IPGYGFSEAS SKKGFNSVAT ARIFYKLMLR LGFQEFYIQG GDWGSLICTN MAQLVPSHVK GLHLNMALVL SNFSTLTLLL GQRFGRFLGL TERDVELLYP VKEKVFYSLM RESGYMHIQC TKPDTVGSAL NDSPVGLAAY ILEKFSTWTN TEFRYLEDGG LERKFSLDDL LTNVMLYWTT GTIISSQRFY KENLGQGWMT QKHERMKVYV PTGFSAFPFE LLHTPEKWVR FKYPKLISYS YMVRGGHFAA FEEPELLAQD IRKFLSVLER Q
Predicted molecular weight	52 kDa including tags
Amino acids	21 to 455
Tags	T7 tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab177622** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

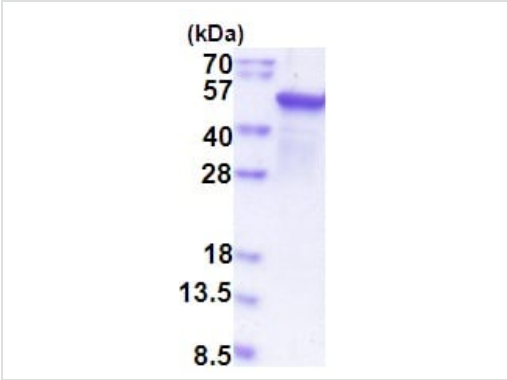
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.32% Tris HCl, 2.4% Urea, 10% Glycerol (glycerin, glycerine)

General Info

Function	Biotransformation enzyme that catalyzes the hydrolysis of arene and aliphatic epoxides to less reactive and more water soluble dihydrodiols by the trans addition of water.
Tissue specificity	Found in liver.
Involvement in disease	Note=In some populations, the high activity haplotype tyr113/his139 is overrepresented among women suffering from pregnancy-induced hypertension (pre-eclampsia) when compared with healthy controls. Defects in EPHX1 are a cause of familial hypercholanemia (FHCA) [MIM:607748]. FHCA is a disorder characterized by elevated serum bile acid concentrations, itching, and fat malabsorption.
Sequence similarities	Belongs to the peptidase S33 family.
Cellular localization	Microsome membrane. Endoplasmic reticulum membrane.

Images



SDS-PAGE - Recombinant Human Epoxide hydrolase protein (denatured) (ab177622)

15% SDS-PAGE analysis of ab177622 (3µg)

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