

Datasheet for ABIN7548440  
**EPHX1 Protein (AA 1-455) (His tag)**



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## Overview

Quantity:	1 mg
Target:	EPHX1
Protein Characteristics:	AA 1-455
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPHX1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant EPHX1 Protein expressed in mammalian cells.
Sequence:	<p>MWLEILLTSV LGFAIYWFIS RDKEETLPLE DGWWGPGTRS AAREDDSIKP FKVETSDEEI  HDLHQRIDKF RFTPPLEDSC FHYGFNSNYL KKVISYWRNE FDWKKQVEIL NRYPHFKTKI  EGLDIHFIHV KPPQLPAGHT PKPLLMVHGW PGSFYEFYKI IPLLTDPKNH GLSDEHVFVEV  ICPSIPGYGF SEASSKKGFN SVATARIFYK LMLRLGFQEF YIQGGDWGSL ICTNMAQLVP  SHVKGLHLNM ALVLSNFSSTL TLLLGQRFRG FLGLTERDVE LLYPVKEKVF YSLMRESGYM  HIQCTKPDVT GSALNDSPVG LAAYILEKFS TWTNTEFRYL EDGGLERKFS LDDLLTNVML  YWTTGTIIS QRFYKENLGQ GWMTQKHERM KVVVPTGFSA PPFELLHTPE KWVRFKYPKL  ISYSYMRGG HFAAFEEPEL LAQDIRKFLS VLERQ <b>Sequence without tag. The proposed  Purification-Tag is based on experiences with the expression system, a different complexity  of the protein could make another tag necessary. In case you have a special request, please  contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

### Target:

EPHX1

### Alternative Name:

EPHX1 ([EPHX1 Products](#))

### Background:

Epoxide hydrolase 1 (EC 3.3.2.9) (Epoxide hydratase) (Microsomal epoxide hydrolase) (mEH),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 (By similarity). Plays a role in the metabolism of endogenous lipids such as epoxide-containing fatty acids (PubMed:22798687). Metabolizes the abundant endocannabinoid 2-arachidonoylglycerol (2-AG) to free arachidonic acid (AA) and glycerol (PubMed:24958911). Binds 20(S)-hydroxycholesterol (20(S)-OHC) (By similarity). {ECO:0000250|UniProtKB:P07687, ECO:0000250|UniProtKB:Q9D379, ECO:0000269|PubMed:22798687, ECO:0000269|PubMed:24958911}.

### Molecular Weight:

52.9 kDa

### UniProt:

[P07099](#)

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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