

Datasheet for ABIN7563143
CYP2F2 Protein (AA 1-491) (His tag)



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Overview

Quantity:	1 mg
Target:	CYP2F2
Protein Characteristics:	AA 1-491
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP2F2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cyp2f2 Protein expressed in mammalian cells.
Sequence:	MDGVSTAILL LLLAVISLSL TFSSRGKGQL PPGPKLPIL GNLLQLRSQD LLTSLTKLSK EYGSVFTVYL GSRPVIVLSG YQTVKEALVD KGEFSGRGA YPVFFNFTRG NGIAFSDGER WKILRRFSVQ ILRNFGMGKR SIEERILEEG SFLLEVL RKM EGKPFDPVFI LRSVSNIC SVVFGSRFDY DDERLLTIIH FINDNFKIMS SPWGEMYNIF PSVLDWIPGP HKRLFRNFGG MKDLIARSVR EHQDSLDPNS PRDFIDCFLT KMAQEKQDPL SHFNMDTLLM TTHNLLFGGT ETVGTTLRHA FLILMKYPKV QARVQEEIDR VVGRSRMPTL EDRTSMPYTD AVIHEVQRFA DVIPMNLPHR VTRDTPFRGF LIPKGTDVIT LLNTVHYDSD QFKTPQEFNP EHFLDDNHSF KKSPAFMPFS AGRRLCLGEP LARMELFIYF TSILQNFTLQ PLVDPEDIDL TPLSSGLGNL PRPFQLCMHI R 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.
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:

CYP2F2

Alternative Name:

Cyp2f2 ([CYP2F2 Products](#))

Background:

Cytochrome P450 2F2 (EC 1.14.14.-) (CYPIIF2) (Cytochrome P450-NAH-2) (Naphthalene dehydrogenase) (Naphthalene hydroxylase),FUNCTION: Involved in the regio- and stereoselective transformation of naphthalene to trans-1R-hydroxy-2R-glutathionyl-1,2-dihydronaphthalene in the presence of glutathione and glutathione S-transferases. It specifically catalyzes the production of a very reactive and potentially toxic intermediate, the 2R,2S arene oxide, that is associated with necrosis of the unciliated bronchiolar epithelial cells or club cells in lung. {ECO:0000269|PubMed:1742282, ECO:0000269|PubMed:1981702}.

Molecular Weight:

55.9 kDa

UniProt:

[P33267](#)

Application Details

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
