

Datasheet for ABIN7557840
CYP2C29 Protein (AA 1-490) (His tag)



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Overview

Quantity:	1 mg
Target:	CYP2C29
Protein Characteristics:	AA 1-490
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP2C29 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Cyp2c29 Protein expressed in mammalien cells.
Sequence:	<p>MDLVVFLALT LSCLILLSLW RQSSGRGKLP PGPTPLPIIG NFLQIDVKNI SQSFTNFSKA YGPVFTLYLG SKPTVILHGY EAVKEALIDR GEEFAGRGSF PMAEKIIKGF GVVFSNGNRW KEMRRFTLMT LRNLGMGKRN IEDRVQEEAQ CLVEELRKTG GSPCDPTFIL SCAPCNVICS IIFQNRFDYK DKEFLILMDK INENVKILSS PWLQVCNSFP SLIDYCPGSH HKIVKNFNLYL KSYLLEKIKE HKESLDVTNP RDFIDYYLIK QKQVNHIEQS EFSLENLAST INDLFGAGTE TTSTTLRYAL LLLLKYPDVT AKVQEEIDRV VGRHRSPCMQ DRSHMPYTD A MIHEVQRFID LLPTSLPHAV TCDIKFRKYL IPKGTTVITS LSSVLHDSKE FPNPEMFDPG HFLNGNGNFK KSDYFMPFST GKRICAGEGL ARMELFLILT TILQNFKLKS LVHPKEIDIT PVMNGFASLP PPYQLCFIPL 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.</p>

Product Details

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, Western Blot

Grade:

custom-made

Target Details

Target:

CYP2C29

Alternative Name:

Cyp2c29

Background:

Cytochrome P450 2C29 (EC 1.14.14.1) (Aldehyde oxygenase) (CYP11C29) (Cytochrome P-450 MUT-2),FUNCTION: A cytochrome P450 monooxygenase that selectively catalyzes the epoxidation of 14,15 double bond of (5Z,8Z,11Z,14Z)-eicosatetraenoic acid (arachidonate) forming 14,15-epoxyeicosatrienoic acid (14,15-EET) regioisomer. Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (CPR, NADPH--hemoprotein reductase). {ECO:0000269|PubMed:9721182}.

Molecular Weight:

55.7 kDa

UniProt:

[Q64458](#)

Application Details

Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. 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