

Datasheet for ABIN7557057
CYB5R4 Protein (AA 1-528) (His tag)



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Overview

Quantity:	1 mg
Target:	CYB5R4
Protein Characteristics:	AA 1-528
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYB5R4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Cyb5r4 Protein expressed in mammalien cells.
Sequence:	<p>MLNVPSQAFP APGSQQRVSS QGRSKVPLKQ GRSLMDWIRL TKSGKDLTGL KGGLIEVTEE ELKKHNKED CWICIRGFVY NVSPYMEYHP GGEDELMRAA GADGTDLFNE VHRWVNYESM LKECLVGRMA VKPAVPKDCH EGKRVLNGML PKSQMSDTLP RDVTDLTPRE DLSSPSYDWF QTESSVTIVV YTKQKNISLD SVIVDLQDDS LRAEAVIKDH SYLVHVGLSH EVQENFSVRV IENVGKIEIV LQKKESVSWQ CLGDHLEKHD SFIPKKTGL YYRRCQLISK EDVTHDTRLF CLMLPPSTHL QVPVGQHVYL KLSVTGAEIV KPYTPVSDSL LSDFKEPVLS PNKYICFLIK IYPAGLFTPE LDRLQIGDFI SVSGPEGDFK VSKLQEVEDL FLLAAGTGFT PMVTVLNYAL SHMSSLRKVK LMFFNKTEDD IIWRCQLEKL ALREKRFDVE FVLSAPSPEW NGKQGHISRA LLSEFLQRSS ENSRAFLCIC GPTPFTDEGI RLLHDLNFSDEI HGFTA 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</p>

Product Details

request, please contact us.

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:

CYB5R4

Alternative Name:

Cyb5r4 ([CYB5R4 Products](#))

Background:

Cytochrome b5 reductase 4 (EC 1.6.2.2) (Flavohemoprotein b5/b5R) (b5+b5R) (N-terminal cytochrome b5 and cytochrome b5 oxidoreductase domain-containing protein) (cb5/cb5R),FUNCTION: NADH-cytochrome b5 reductase involved in endoplasmic reticulum stress response pathway. Plays a critical role in protecting pancreatic beta-cells against oxidant stress, possibly by protecting the cell from excess buildup of reactive oxygen species (ROS). {ECO:0000269|PubMed:15247412}.

Molecular Weight:

59.7 kDa

UniProt:

[Q3TDX8](#)

Pathways:

[Hormone Transport](#), [Carbohydrate Homeostasis](#)

Application Details

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