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Datasheet for ABIN7557037

CYB5R2 Protein (AA 1-276) (His tag)

Overview

Quantity:	1 mg
Target:	CYB5R2
Protein Characteristics:	AA 1-276
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYB5R2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cyb5r2 Protein expressed in mammalian cells.
Sequence:	MSVKKKDLIT LQDPEAKYPL PLIEKEQISH NTRRFRFGLP SPDHVLGLPV GNYVHLLAQI NNELVIRAYT PVSSDDDQGF VDLIIKIYFK NVHPKYPEGG KMTQYLENMK IGDTILFRGP TGRLFYNEPG TLLIKANKTS EPEKKLVHHL GMIAGGTGIT PMLQLIRHIT KDTSDETRMS LLFANQTEED ILLRKELEEV ATTHHKQFNL WYTLDRPPSD WKYSSGFVSA DMIKEHLPPP GEDTLILVCG PPPLIQAAAH PSLEQLSYTK DMIFIY 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 isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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:	CYB5R2
Alternative Name:	Cyb5r2 (CYB5R2 Products)
Background:	NADH-cytochrome b5 reductase 2 (b5R.2) (EC 1.6.2.2),FUNCTION: NADH-cytochrome b5 reductases are involved in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction. Responsible for NADH-dependent lucigenin chemiluminescence in spermatozoa by reducing both lucigenin and 2-[4-iodophenyl]-3-[4-nitrophenyl]-5-[2,4-disulfophenyl]-2H tetrazolium monosodium salt (WST-1) (By similarity). {ECO:0000250}.
Molecular Weight:	31.4 kDa
UniProt:	Q3KNK3

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