

Datasheet for ABIN7557598

CYB561 Protein (AA 1-250) (His tag)



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Overview

Quantity:	1 mg
Target:	CYB561
Protein Characteristics:	AA 1-250
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYB561 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cyb561 Protein expressed in mammalian cells.
Sequence:	<p>MEHSSASVPA ALPYVAFSQ LLGLTVAVT GAWLGLYRGG IAWESSLQFN VHPLCMVIGM</p> <p>IFLQGDALLV YRVFRREAKR TTKILHGLLH VFAFIALVG LVAVFDYHKK KGYADLYSLH</p> <p>SWCGILVFVL YFVQWLVGFS FFLFPGASFS LRSRYRPQHI FFGATIFLFS VGTALLGLKE</p> <p>ALLFKLGSKY STFEPEGVLA NVLGLLLVCF GVVVLYILAQ ADWKRPSQAE EQALSMDFKT</p> <p>LTEGDSPSPQ 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>
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:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	CYB561
Alternative Name:	Cyb561 (CYB561 Products)
Background:	Transmembrane ascorbate-dependent reductase CYB561 (EC 7.2.1.-) (Chromaffin granule Cyt b561) (CGCytb) (Cytochrome b-561) (Cytochrome b561),FUNCTION: Transmembrane reductase that uses ascorbate as an electron donor in the cytoplasm and transfers electrons across membranes to reduce monodehydro-L-ascorbate radical in the lumen of secretory vesicles (Probable). It is therefore involved the regeneration and homeostasis within secretory vesicles of ascorbate which in turn provides reducing equivalents needed to support the activity of intravesicular enzymes (By similarity). {ECO:0000250 UniProtKB:P10897, ECO:0000305 PubMed:16256064}.
Molecular Weight:	27.8 kDa
UniProt:	Q60720

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.
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Application Details

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