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Datasheet for ABIN7552609

BCM01 Protein (AA 1-547) (His tag)

Overview

Quantity:	1 mg
Target:	BCM01
Protein Characteristics:	AA 1-547
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BCM01 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat BCO1 Protein expressed in mammalien cells.
Sequence:	MDIIFGRNRK EQLEPVRAKV TGKIPAWLQG TLLRNGPGMH TVGESRYNHW FDGLALLHSF TIRDGEVYYR SKYLRSDTYN TNIEANRIVV SEFGTMAYPD PCKNIFSKAF SYLSHTIPDF TDNCLINIMK CGEDFYATSE TNYIRKINPQ TLETLEKVDY RKYVAVNLAT SHPHYDEAGN VLNMGTSIVE KGKTKYVIFK IPATVPEGKK QGKSPWKHTE VFCSIPSRSL LSPSYHHSFG VTENYVIFLE QPFRDLILKM ATAYIRMSW ASCLAFHREE KTYIHIIDQR TRQPVQTKFY TDAMVVFHHV NAYEEDGCIV FDVIAYEDNS LYQLFYLANL NQDFKENSRL TSVPTLRRFA VPLHVDKNAE VGTNLIKVAS TTATALKEED GQVYCQPEFL YEGLELPRVN YAHNGKQYRY VFATGVQWSP IPTKIIKYDI LTKSSLKWRE DDCWPAEPLF VPAPGAKDED DGVILSAIVS TDPQKLPFL ILDAKSFTTEL ARASVDVDMH MDLHGLFITD MDWDTKKQAA SEEQRDRASD CHGAPLT 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

Product Details

necessary. In case you have a special 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:

BCM01

Alternative Name:

BC01 ([BCM01 Products](#))

Background:

Beta,beta-carotene 15,15'-dioxygenase (EC 1.13.11.63) (Beta-carotene dioxygenase 1) (Beta-carotene oxygenase 1),FUNCTION: Symmetrically cleaves beta-carotene into two molecules of retinal using a dioxygenase mechanism. {ECO:0000269|PubMed:11401432, ECO:0000269|PubMed:17951468, ECO:0000269|PubMed:24668807}.

Molecular Weight:

62.6 kDa

UniProt:

[Q9HAY6](#)

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.

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