

Datasheet for ABIN7549558
SC4MOL Protein (AA 1-293) (His tag)



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Overview

Quantity:	1 mg
Target:	SC4MOL (MSM01)
Protein Characteristics:	AA 1-293
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SC4MOL protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MSM01 Protein expressed in mammalien cells.
Sequence:	<p>MATNESVSIF SSASLAVEYV DSELLPENPLQ EPFKNAWNYM LNNYTKFQIA TWGSLIVHEA LYFLFCLPGF LFQFIPYMKK YKIQKDKPET WENQWKCFKV LLFNHFCIQL PLICGTYIFT EYFNIPYDWE RMPRWYFLLA RCFGCAVIED TWHYFLHRLH HHKRIYKYIH KVVHEFQAPF GMEAEYAHPL ETLILGTGFF IGIVLLCDHV ILLWAWVTIR LLETIDVHSG YDIPLNPLNL IPFYAGSRHH DFHHMNFIGN YASTFTWWDR IFGTDSQYNA YNEKRKKFEK KTE 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>
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, Western Blot
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Grade:	custom-made
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Target Details

Target:	SC4MOL (MSM01)
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Alternative Name:	MSM01 (MSM01 Products)
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Background:	Methylsterol monooxygenase 1 (EC 1.14.18.9) (C-4 methylsterol oxidase) (Sterol-C4-methyl oxidase),FUNCTION: Catalyzes the three-step monooxygenation required for the demethylation of 4,4-dimethyl and 4alpha-methylsterols, which can be subsequently metabolized to cholesterol (PubMed:21285510, PubMed:28673550, PubMed:23583456, PubMed:26114596). Also involved in drug metabolism, as it can metabolize eldecalcitol (ED-71 or 1alpha,25-dihydroxy-2beta-(3-hydroxypropoxy)-cholecalciferol), a second-generation vitamin D analog, into 1alpha,2beta,25-trihydroxy vitamin D3, this reaction occurs via enzymatic hydroxylation and spontaneous O-dehydroxypropylation (PubMed:26038696). {ECO:0000269 PubMed:21285510, ECO:0000269 PubMed:26038696, ECO:0000269 PubMed:28673550, ECO:0000305 PubMed:23583456, ECO:0000305 PubMed:26114596}.
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Molecular Weight:	35.2 kDa
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UniProt:	Q15800
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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
