

Datasheet for ABIN7550263
ORMDL3 Protein (AA 1-153) (His tag)



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Overview

Quantity:	1 mg
Target:	ORMDL3
Protein Characteristics:	AA 1-153
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ORMDL3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ORMDL3 Protein expressed in mammalian cells.
Sequence:	MNVGTAHSEV NPNTRVMNSR GIWLSYVLAI GLLHIVLLSI PFVSVPVVWT LTNLIHNMGM YIFLHTVKGT PFETPDQGKA RLLTHWEQMD YGVQFTASRK FLTITPIVLY FLTSFYTKYD QIHFLVNTVS LMSVLIPKLP QLHGVRIFGI NKY 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: <ul style="list-style-type: none">• 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

Product Details

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)
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Grade:	custom-made
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Target Details

Target:	ORMDL3
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Alternative Name:	ORMDL3 (ORMDL3 Products)
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Background:	ORM1-like protein 3,FUNCTION: Plays an essential role in the homeostatic regulation of sphingolipid de novo biosynthesis by modulating the activity of the serine palmitoyltransferase (SPT) in response to ceramide levels (PubMed:20182505, PubMed:30700557, PubMed:37308477). When complexed to SPT, the binding of ceramides to its N-terminus stabilizes a conformation that block SPT substrate entry, hence preventing SPT catalytic activity. Through this mechanism, maintains ceramide levels at sufficient concentrations for the production of complex sphingolipids, but which prevents the accumulation of ceramides to levels that trigger apoptosis (PubMed:37308477). {ECO:0000269 PubMed:20182505, ECO:0000269 PubMed:30700557, ECO:0000269 PubMed:37308477}.
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Molecular Weight:	17.5 kDa
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UniProt:	Q8N138
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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