

Datasheet for ABIN7560462  
**Scd3 Protein (AA 1-359) (His tag)**



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## Overview

Quantity:	1 mg
Target:	Scd3 (SCD3)
Protein Characteristics:	AA 1-359
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Scd3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Scd3 Protein expressed in mammalian cells.
Sequence:	<p>MPGHLLQEEM TPSYTTTTTI TAPPSGSLQN GREKVKTVPL YLEEDIRPEM KEDIYDPTYQ DEEGPPPKLE YVWRNIILMA LLHVGALYGI TLVPSCKLYT CLFAFVYYVI SIEGIGAGVH RLWSHRTYKA RLPLRIFLII ANTMAFQNDV YEWARDHRAH HKFSETHADP HNSRRGFFFS HVGWLLVRKH PAVKEKGGKL DMSDLKAEKL VMFQRRYYKP GILLMCFILP TLVPWYCWGE TFLNSFYVAT LLRYAVVLNA TWLVNSAAHL YGYRPYDKNI DPRQNALVSL GSMGEGFHNY HHAFPYDYSA SEYRWHINFT TFFIDCMAAL GLAYDRKRVS KATVLARIKR TGDGSHKSG</p> <p><b>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.</b></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:	Key Benefits:

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	Scd3 (SCD3)
Alternative Name:	Scd3 ( <a href="#">SCD3 Products</a> )
Background:	Acyl-CoA desaturase 3 (EC 1.14.19.-) (Delta(9)-desaturase 3) (Delta-9 desaturase 3) (Fatty acid desaturase 3) (Palmitoyl-CoA desaturase) (Stearoyl-CoA desaturase 3),FUNCTION: Stearoyl-CoA desaturase that utilizes O(2) and electrons from reduced cytochrome b5 to introduce the first double bond into saturated fatty acyl-CoA substrates. Catalyzes the insertion of a cis double bond at the delta-9 position into fatty acyl-CoA substrates including palmitoyl-CoA (PubMed:16443825, PubMed:26098370). Has a strong preference for saturated fatty acids with chain lengths of 14 or 16 carbon atoms (C14:0 and C16:0), and has only very low activity with stearate (C18:0) (PubMed:16443825, PubMed:26098370). Required for the biosynthesis of membrane phospholipids, cholesterol esters and triglycerides (By similarity). {ECO:0000250 UniProtKB:O00767, ECO:0000269 PubMed:16443825, ECO:0000269 PubMed:26098370}.
Molecular Weight:	41.4 kDa
UniProt:	<a href="#">Q99PL7</a>

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## Application Details

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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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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months