

Datasheet for ABIN7549435

SMCR7 Protein (AA 1-454) (His tag)



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Overview

Quantity:	1 mg
Target:	SMCR7
Protein Characteristics:	AA 1-454
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMCR7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MIEF2 Protein expressed in mammalian cells.
Sequence:	<p>MAEFSQKRGK RRSDEGLGSM VDFLLANARL VLGVGGA AVL GIATLAVKRF IDRATSPRDE</p> <p>DDTKADSWKE LSLLKATPHL QPRPPPAALS QPVLPLAPSS SAPEGPAETD PEVTPQLSSP</p> <p>APLCLTLQER LLA FERDRV T IPAAQVALAK QLAGDIALEL QAYFRSKFPE LPFGAFVPGG</p> <p>PLYDGLQAGA ADHVRLLVPL VLEPGLWSLV PGVDTVARDP RCWAVRRTQL EFCPRGSSPW</p> <p>DRFLVGGYLS SRVLELLLRK ALAASVNWPA IGSLLGCLIR PSMASEELLL EVQHERLELT</p> <p>VAVLVAVPGV DADDRLLLA W PLEGLAGNLW LQDLYPVEAA RLRLDDHDA GTRRRLLLLL</p> <p>CAVCRGCSAL GQLGRGHLTQ VVRLRGEDNV DWTEEALGER FLQALELLIG SLEQASLPCH</p> <p>FNPSVNLFS LREEEIDDIG YALYSLQEP EGLL Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>of the protein could make another tag necessary. In case you have a special request, please</p> <p>contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

SMCR7

Alternative Name:

MIEF2 ([SMCR7 Products](#))

Background:

Mitochondrial dynamics protein MID49 (Mitochondrial dynamics protein of 49 kDa) (Mitochondrial elongation factor 2) (Smith-Magenis syndrome chromosomal region candidate gene 7 protein), FUNCTION: Mitochondrial outer membrane protein involved in the regulation of mitochondrial organization (PubMed:29361167). It is required for mitochondrial fission and promotes the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface independently of the mitochondrial fission FIS1 and MFF proteins. Regulates DNM1L GTPase activity. {ECO:0000269|PubMed:21508961, ECO:0000269|PubMed:23283981, ECO:0000269|PubMed:23530241, ECO:0000269|PubMed:23921378, ECO:0000269|PubMed:29361167, ECO:0000269|PubMed:29899447}.

Molecular Weight:

49.3 kDa

Target Details

UniProt: [Q96C03](#)

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.
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