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Datasheet for ABIN7554578
SMCR7L Protein (AA 1-463) (His tag)

Overview

Quantity:	1 mg
Target:	SMCR7L
Protein Characteristics:	AA 1-463
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMCR7L protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MIEF1 Protein expressed in mammalian cells.
Sequence:	MAGAGERK GK KDDNGIGTAI DFVLSNARLV LGVGGAAMLG IATLAVK RMY DRAISAPTSP TRLSHSGKRS WEEP NWMGSP RLLNRDMKTG LSRSLQTLPT DSSTFD TDTF CPPRPK PVAR KGQVDLKKSR LRMSLQEKLL TYRNRAAIP AGEQARAKQA AVDICAELRS FLRAKLPDMP LRD MYLSGSL YDDLQVVTAD HIQLIVPLVL EQNLWSCIPG EDTIMNVPGF FLVRRENPEY FPRGSSYWDR CVVGGYLSPK TVADTFEKVV AGSINWPAIG SLLDYVIRPA PPPEALTLEV QYERDKHLFI DFLPSVTLGD TVLVAKPHRL AQYDNLWRLS LRPAETARLR ALDQADSGCR SLCLKILKAI CKSTPALGHL TASQLTNVIL HLAQEEADWS PDMLADRFLQ ALRGLISYLE AGVLP SALNP KVNLF AELTP EEIDELGYTL YCSLSEPEVL LQT 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

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:

SMCR7L

Alternative Name:

MIEF1 ([SMCR7L Products](#))

Background:

Mitochondrial dynamics protein MIEF1 (Mitochondrial dynamics protein of 51 kDa) (Mitochondrial elongation factor 1) (Smith-Magenis syndrome chromosomal region candidate gene 7 protein-like) (SMCR7-like protein),FUNCTION: Mitochondrial outer membrane protein which regulates mitochondrial fission. 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 and DNM1L oligomerization. Binds ADP and can also bind GDP, although with lower affinity. Does not bind CDP, UDP, ATP, AMP or GTP. Inhibits DNM1L GTPase activity in the absence of bound ADP. Requires ADP to stimulate DNM1L GTPase activity and the assembly of DNM1L into long, oligomeric tubules with a spiral pattern, as opposed to the ring-like DNM1L oligomers observed in the absence of bound ADP. Does not require ADP for its function in recruiting DNM1L. {ECO:0000269|PubMed:21508961, ECO:0000269|PubMed:21701560,

Target Details

ECO:0000269|PubMed:23283981, ECO:0000269|PubMed:23530241,
ECO:0000269|PubMed:23921378, ECO:0000269|PubMed:24515348,
ECO:0000269|PubMed:29083303}.

Molecular Weight: 51.3 kDa

UniProt: [Q9NQG6](#)

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