

Datasheet for ABIN7560756
SESN3 Protein (AA 1-492) (His tag)



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Overview

Quantity:	1 mg
Target:	SESN3
Protein Characteristics:	AA 1-492
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SESN3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Sesn3 Protein expressed in mammalian cells.
Sequence:	<p>MNRGGSSASA SANYLLCTNC RQVLRKDKRI RVSQPLTRGP SAFIPEKEVV QANTADERTN FLVEEYSTSG RLDNITQVMS LHTQYLESFL RSQFYMLRMD GPLPLPDRHY IAIMAAARHQ CSYLNIMHVD EFLKTGGIAE WLNGLYVVPQ RLRNLNEINK LLAHRPWLIT KEHIQKLVKT GENNWSLPEL VHAVVLLAHY HALASFVFGS GINPERDPGI ANGFRLLISVS SFCVCDLAND NSIENTSLAG SNFGIVDSLQ ELEALMERMK RLQEDREDDE TTREEMTTRF EKEKKESLFV VPGETLHAFP HSDFEDDVIV TADVSRYIED PSFGYEDFAR RGEHLPTRF AQDYTWENHG FSLVNRLYSD IGHLLDEKFR MVYNLTNTM ATHEDVDTTT LRRALFNYVH CMFGIRYDDY DYGEVNQLLE RSLKVYIKTV TCYPERTTKR MYDSYWRQFT HSEKVHVNLL LMEARMQAEL LYALRAITRH LT 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>
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:

SESN3

Alternative Name:

Sesn3 ([SESN3 Products](#))

Background:

Sestrin-3 (EC 1.11.1.-),FUNCTION: May function as an intracellular leucine sensor that negatively regulates the TORC1 signaling pathway (PubMed:25259925). May also regulate the insulin-receptor signaling pathway through activation of TORC2 (PubMed:25377878). This metabolic regulator may also play a role in protection against oxidative and genotoxic stresses (By similarity). May prevent the accumulation of reactive oxygen species (ROS) through the alkylhydroperoxide reductase activity born by the N-terminal domain of the protein (By similarity). {ECO:0000250|UniProtKB:P58004, ECO:0000269|PubMed:25259925, ECO:0000269|PubMed:25377878}.

Molecular Weight:

57.0 kDa

UniProt:

[Q9CYP7](#)

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
