

Datasheet for ABIN7555497
SLFN14 Protein (AA 1-912) (His tag)



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Overview

Quantity:	1 mg
Target:	SLFN14
Protein Characteristics:	AA 1-912
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLFN14 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SLFN14 Protein expressed in mammalien cells.
Sequence:	MESLKTDTEM PYPEVIVDVG RVIFGEENRK KMTNSCLKRS ENSRIIRAIC ALLNSGGGVI KAEIDDKTYS YQCHGLGQDL ETSFQKLLPS GSQKYLDYMQ QGHNLLIFVK SWSPDVFSLP LRICSLRSNL YRRDVTSAIN LSASSALELL REKGFRAQRG RPRVKKLHPQ QVLNRCIQEE EDMRILASEF FKKDKLMYKE KLNFTESTHV EFKRFTTKKV IPRIKEMPLH YVSAFANTQG GYVLIGVDDK SKEVVGCKWE KVNPDLLKKE IENCIEKLPT FHCCEKPKV NFTTKILNVY QKDVLDGYVC VIQVEPFCCV VFAEAPDSWI MKDNSVTRLT AEQWVVMMLD TQSAPPSLVT DYNCLISSA SSARKSPGYK IKVHKFKEAL QRHLFPVTQE EVQFKPESLC KKLFS DHKEL EGLMKTLIHP CSQGIVIFSR SWAGDVGFRK EQNVLCDALL IAVNSPVVLY TILIDPNWPG GLEYARNTAH QLKQKLQTVG GYTGKVCIIIP RLIHLSSTQS RPGEIPLRYP RSYRLADEEE MEDLLQALVV VSLSSRLLS DQMGCEFFNL LIMEQSLLS ESLQKTRELF IYCFPGVRKT ALAIKIMEKI KDLFHCKPKE ILYVCESDSL KDFVTQQTTC QAVTRKTFMQ GEFLKIKHIV

Product Details

MDETENFCSK YGNWYMKAKN ITHPKAKGTG SENLHHGILW LFLDPFQIHH ADVNGLPPPS
AQFPRKTITS GIHCALEIAK VMKEEMKRIK ENPPSNMSPD TLALFSETAY EEATCAQALP
GVCETKTNLT TEQIANYVAR KCHSLFQCGY LPKDIAILCR RGEDRGRYRL ALLKAMELIE
THRPSEVDFS PATGVWGS HI VLDSIQQFSG LERTVVFGLS PECDQSEEFH KLCFASRAIK
HLYLLYEKRA AY **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

SLFN14

Alternative Name:

SLFN14 ([SLFN14 Products](#))

Background:

Protein SLFN14 [Cleaved into: C-terminally truncated SLFN14 endoribonuclease (EC 3.1.-.-) (Schlafen family member 14)],FUNCTION: [Protein SLFN14]: Shows no ribosome-associated and endoribonuclease activities. {ECO:0000269|PubMed:25996083}., FUNCTION: [C-terminally truncated SLFN14 endoribonuclease]: Displays polysome-associated endoribonuclease activity towards mRNAs and rRNAs (PubMed:25996083). May play a role in RNA surveillance pathways by recognizing stalled ribosomes and triggering endonucleolytic cleavage of aberrant mRNAs

Target Details

(Probable). Cleaves different types of rRNAs and mRNAs in a magnesium- and manganese-dependent and ATP-independent manner (By similarity). Involved in correct maturation of megakaryocytes and especially important for proplatelet extension.

{ECO:0000250|UniProtKB:G1SRW8, ECO:0000269|PubMed:25996083, ECO:0000269|PubMed:26769223, ECO:0000305|PubMed:25996083}.

Molecular Weight: 103.9 kDa

UniProt: [P0C7P3](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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