

Datasheet for ABIN7565312
SLFN14 Protein (AA 1-899) (His tag)



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Overview

Quantity:	1 mg
Target:	SLFN14
Protein Characteristics:	AA 1-899
Origin:	Mouse
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:	MPYAEITVNL GKVTLGEENR KKMTNSCLKR HENSSLVQAV CALLNSGGGV IKAEINDKSY SYRCHGLGQD LETSFQKLLP SGSQKHLDYM QQNHDLIFV KSWSPDASSL PLRICSLRSN LYQRDVTSAL NLCANGALEL LREKESRAQR GTPRLHSQDH ILNRTIQEEE DIKMCALFL KKDKLNFKEK LSFTTESTHVE FKRFTHKIV PRIKETLAHY VSAFANTQGG YIIIGVDDKS KEVFGCKKEK VNPDSLKTEI KNCIEKLPTY HFCREKPKVN FTTKILKVYQ KEALYGFVCV VQVEPFCCVV FAEDPDSWIM ENNIVTRLKV QQWVEMMLDI QSDPSSGFPT INDSAHLMTTP ALSAPRRPAY LTKVLEHKET LQRHFFSVTQ ENLQFQPESL CCKLFSDFHEG LEDLLKAQTH PCSHGIVIFS RSWAGDIGLM REEKVLCDAL LVAVGSPLVL YTILTDPSSST GRADYTQNTA LQLKRQLQTL GGYPGKICVI PRVIYLASRG SRPDQPPVYY PRPYTLSSKA EVEDLLQGLV LVSLCSRSVL SDQLGCEFFK QCLEEQANTL SRNLQESREL FIHCLPGTRK TALA IKMVEK IKDVFHCKPK EILFVCENDS LRDFVMQQVT CRAVTRRTFM REEFPKIKHI VMDETENFCS

Product Details

RHGDWYVKAK STTHPKANGA ANEHPHHGIL WLFLDPFQVR HADGSGLPVP SAQFPRKMIT
SEIHCAVEIA KVMKDEMKRM QENPPSMGLP DTLATFQEAP YEEAMRAGAL PGVCEIKANL
TPEQIANZYVA EKCHSLFHG YLPQDAILY RRREDRGQYK DVLLKAMARG TTEVAFNSAA
DVCADGIILD SVEQFSGMVR NIVFGLCPES VHSEGVHKLC FASKAIKHLY LLYGGRTAF **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. Involved in correct maturation of megakaryocytes and especially important for proplatelet extension (By similarity).

{ECO:0000250|UniProtKB:G1SRW8, ECO:0000250|UniProtKB:P0C7P3, ECO:0000269|PubMed:25996083, ECO:0000305|PubMed:25996083}.

Molecular Weight: 101.7 kDa

UniProt: [V9GXG1](#)

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