

Datasheet for ABIN7546060
SIMC1 Protein (AA 1-872) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SIMC1
Protein Characteristics:	AA 1-872
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIMC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SIMC1 Protein expressed in mammalian cells.
Sequence:	<p>MAPASASGED LRKLPTMAEV NGEQDFIDLT RETRPRTKDR SGLYVIDLTR AEGENRPIAT LDLTLEPVTP SQKEPTSLQT CASLSGKAVM EGHVDRSSQP TARRIINSDP VDLDLVEENT FVGPPPATSI SGGSVYPTPEP NCSSATFTGN LSFLASLQLS SDVSSLSPS NNSRSSSSSS NQKAPLPCPQ QDVSRRPPQAL PCPLRPLPCP PRASPCPPRA SSCPPRALSC PSQTMQCQLP ALTHPPQEVPRQRNIPGPP QDSLGLPQDV PGLPQSILHP QDVAYLQDMP RSPGDVPQSP SDVSPSPDAP QSPGGMPHLP GDVLHSPGDM PHSSGDVTHS PRDIPHLPGD RPDFTQNDVQ NRDMPMDISA LSSPSCSPSP QSETPLEKVP WLSVMPETPAR KEISLSEPAK PGSAHVQSRT PQGGLYNRPC LHRKLYFLRP PVHHLFFQTL IPDKDTRENK GQKLEPIPHR RLRMTNTIE ENFPLGTVQF LMDFVSPQHY PPREIVAHII QKILLSGSET VDLVKEAYML LMKIQQLHPA NAKTVEWDWK LLTYVMEEEG QTLPGRVLFL RYVVQTLEDD FQQLRRQRQ HLQQSIANMV LSCDKQPHNV RDVIKWLKVA VTEDGLTQPP NGNQTSSTG ILKASSSHPS SQPNLTKNTN QLIVCQLQRM LSIAVEVDRT PTCSSNKIAE MMFGFVLDIP ERSQREMFFT TMESHLLRCK</p>

Product Details

VLEIIFLHSC ETPTRLPLSL AQALYFLNNS TSLKQCQSDK SQWQTWDELV EHLQFLLSSY
QHVLREHLRS SVIDRKDLII KRIKPKPQQG DDITVVDVEK QIEAFRSRLI QMLGEPLVPQ
LQDKVHLLKL LLFYAADLNP DAEPFQKGWS GS **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 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: SIMC1

Alternative Name: SIMC1 ([SIMC1 Products](#))

Background: SUMO-interacting motif-containing protein 1 (Platform element for inhibition of autolytic degradation),FUNCTION: Plays a role in SMC5-SMC6 complex recruitment for viral restriction. Forms a complex with SLF2 and this complex is required to recruit SMC5-SMC6 complex to PML nuclear bodies and sites of viral replication. {ECO:0000269|PubMed:36373674},. FUNCTION: [Isoform 1]: Inhibits the protease activity of CAPN3.

Target Details

{ECO:0000269|PubMed:23707407},. FUNCTION: [Isoform 5]: Inhibits the protease activity of CAPN3. {ECO:0000269|PubMed:23707407}.

Molecular Weight: 96.8 kDa

UniProt: [Q8NDZ2](#)

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