

Datasheet for ABIN7553625  
**SNM1 Protein (AA 1-1040) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SNM1 (DCLRE1A)
Protein Characteristics:	AA 1-1040
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SNM1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant DCLRE1A Protein expressed in mammalian cells.
Sequence:	MLEDISEEDI WEYKSKRKPK RVDPNNGSKN ILKSVEKATD GKYQSKRSRN RKRAAEAKEV KDHEVPLGNA GCQTSVASSQ NSSCGDGIQQ TQDKETTPGK LCRTQKSQHV SPKIRPVYDG YCPNCQMPFS SLIGQTPRWH VFECLDSPPR SETECPDGLL CTSTIPFHYK RYTHFLLAQS RAGDHPFSSP SPASGGSFSE TKSGVLCSE ERWSSYQNQT DNSVSNPPLL MTQYFKKSPS LTEASEKIST HIQTSQQALQ FTDFVENDKL VGVALRLANN SEHINLPLPE NDFSDCEISY SPLQSDETH DIDEKPDDSQ EQLFFTESSK DGSLEEDDDS CGFFKCRHGP LLKDQDESCP KVNSFLTRDK YDEGLYRFNS LNDLSQPISQ NNESTLPYDL ACTGGDFVLF PPALAGKLAA SVHQATKAKP DEPEFHSAQS NKQKQVIEES SVYNQVSLPL VKSLMLKPFSE SQVEGYLSSQ PTQNTIRKLS SENLNAKNNT NSACFCRKAL EGVVPGKATI LNTENLSSTP APKYLKILPS GLKYNARHPS TKVMKQMDIG VYFGLPPKRK EEKLLGESAL EGINLNPVPS PNQKRSSQCK RKAEKSLSDL EFDASTLHES QLSVELSSER SQRQKKRCK SNSLQEGACQ KRSDHLINTE SEAVNLSKVK VFTKSAHGGL QRGNKKIPES SNVGGSRKKT CPFYKKIPGT GFTVDAFYQG

## Product Details

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VEGCTAYFL THFHSDHYAG LSKHFTFPVY CSEITGNLLK NKLHVQEQYI HPLPLDTECI  
VNGVKVLLD ANHCPGAVMI LFYLPNGTVI LHTGDFRADP SMERLLADQ KVHMLYLDTT  
YCSPEYTFPS QQEVIRFAIN TAFEAVTLNP HALVVCGTYS IGKEKVFLAI ADVLGSKVGM  
SQEKYKTLQC LNIPEINSLI TTDMCSSLVH LLPMMQINFK GLQSHLKKCG GKYNQILAFR  
PTGWTHSNKF TRIADVIPQT KGNISYIGIP YSEHSSYLEM KRFVQWLKPQ KIIPTVNVGT  
WKSIRSTMEKY FREWKLEAGY **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

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Target: SNM1 (DCLRE1A)

Alternative Name: DCLRE1A ([DCLRE1A Products](#))

Background: DNA cross-link repair 1A protein (Beta-lactamase DCLRE1A) (EC 3.5.2.6) (SNM1 homolog A) (hSNM1) (hSNM1A),FUNCTION: May be required for DNA interstrand cross-link repair. Also required for checkpoint mediated cell cycle arrest in early prophase in response to mitotic

## Target Details

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spindle poisons. Possesses beta-lactamase activity, catalyzing the hydrolysis of penicillin G and nitrocefin (PubMed:31434986). Exhibits no activity towards other beta-lactam antibiotic classes including cephalosporins (cefotaxime) and carbapenems (imipenem) (PubMed:31434986). {ECO:0000269|PubMed:15542852}.

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Molecular Weight: 116.4 kDa

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UniProt: [Q6PJP8](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months