

Datasheet for ABIN7555575  
**FAM178A Protein (AA 1-1173) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FAM178A
Protein Characteristics:	AA 1-1173
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM178A protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLF2 Protein expressed in mammalian cells.
Sequence:	MTRRCMPARP GFPSSPAPGS SPPRCHLRPG STAHAAAGKR TESPGRKQS IIDFFKPASK QDRHMLDSPQ KSNIKYGGSR LSITGTEQFE RKLSSPKESK PKRVPPEKSP IIEAFMKGVK EHHEDHGIHE SRRPCLSLAS KYLAKGTNIY VPSSYHLPKE MKSLKKKHS PERRKSLFIH ENNEKNDRDR GKTNADSKKQ TTVAEADIFN NSSRSLSSRS SLSRHHPEES PLGAKFQLSL ASYCRERELK RLRKEQMEQR INSENSFSEA SLSLKSSIE RKYKPRQEQR KQNDIIPGKN NLSNVENGHL SRKRSSSDSW EPTSAGSKQN KFPEKRRNS VSDLKSTRE SMIPKARES LEKRPDGP HQ KEKFIKHIAL KTPGDVLRLE DISKEPSDET DGSSAGLAPS NSGNSGHHST RNSDQIQVAG TKETKMQKPH LPLSQEKSAI KKASNLQKNK TASSTTKEKE TKLPLLSRVP SAGSSLVPLN AKNCALPVSK KDKERSSSKE CSGHSTESTK HKEHKAKTNK ADSNVSSGKI SGGPLRSEYG TPTKSPPAAL EVVPCIPSPA APSDKAPSEG ESSGNSNAGS SALKRKLKRGD FDSDEESLGY NLDSEEEET LKSLEEIMAL NFNQTPAATG KPPALSKGLR SQSSDYTGHV HPGTYTNTLE RLVKEMEDTQ RLDELQKQLQ EDIRQGRGIK SPIRIGEEDS TDEDGLLEE

## Product Details

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HKEFLKKFSV TIDAIPDHHP GEEIFNFLNS GKIFNQYTLD LRDSGFIGQS AVEKLILKSG  
KTDQIFLTTQ GFLTSAYHYV QCPVPVLKWL FRMMSVHTDC IVSVQILSTL MEITIRNDTF  
SDSPVWPWIP SLSDVAAVFF NMGIDFRSLF PLENLQPDFN EDYLVSETQT TSRGKESEDS  
SYKPIFSTLP ETNILNVVKF LGLCTSIHPE GYQDREIMLL ILMLFKMSLE KQLKQIPLVD  
FQSLINLMK NIRDWNTKVP ELCLGINELS SHPHNLLWLWV QLVPNWTSRG RQLRQCLSLV  
IISKLLDEKH EDVPNASNLQ VSVLHRYLVQ MKPSDLLKKM VLKKAQEPD GIIDDSLHLE  
LEKQAYYLY ILLHLVGEVS CSHSFSSGQR KHVLLCGAL EKHVKCDIRE DARLFYRTKV  
KDLVARIHGK WQEIIQNCRP TQGQLHDFWV PDS **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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: FAM178A

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Alternative Name: SLF2 ([FAM178A Products](#))

## Target Details

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**Background:** SMC5-SMC6 complex localization factor protein 2 (Smc5/6 localization factor 1),FUNCTION: Plays a role in the DNA damage response (DDR) pathway by regulating postreplication repair of UV-damaged DNA and genomic stability maintenance (PubMed:25931565). The SLF1-SLF2 complex acts to link RAD18 with the SMC5-SMC6 complex at replication-coupled interstrand cross-links (ICL) and DNA double-strand breaks (DSBs) sites on chromatin during DNA repair in response to stalled replication forks (PubMed:25931565). Promotes the recruitment of the SMC5-SMC6 complex to DNA lesions (PubMed:25931565). Plays a role in SMC5-SMC6 complex recruitment for viral restriction. Forms a complex with SIMC1 and this complex is required to recruit SMC5-SMC6 complex to PML nuclear bodies and sites of viral replication (PubMed:36373674). {ECO:0000269|PubMed:25931565, ECO:0000269|PubMed:36373674}.

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**Molecular Weight:** 131.9 kDa

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**UniProt:** [Q8IX21](#)

## 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