

Datasheet for ABIN7560919  
**FAM111A Protein (AA 1-613) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FAM111A
Protein Characteristics:	AA 1-613
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM111A protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Fam111a Protein expressed in mammalian cells.
Sequence:	<p>MSCKKRKSQI SFNPRKNKKI KDYFSQVPKE EQNDPNTVKV DSKKMPRDIT NTRDQRPLSP RKTRQDQTPP LNKKITVTLG VNSRKHKNMK YELTCRETSS LYAALNTLSA VREEVESQKG REMLVCGKEG IEGYLNLGMP VCCIPEGSHV VITFCQCKSK TQENKQFFES QDQASTNYVR FCIHAVGSKR KKILKCGELQ KEGNKLCVYG FKGETIRDITL RKGDRFCTFI ESDDWKLIND LDTIIENTQP VDELEGKLFQ VAAELPKNPR VVSVTQNSGS ENRNFHKLEE YIVNEYTTLK EEGKKLRAYI KEKSEKRKKK ASLFKVHKEH FGKMTNRNTP VKVVKHLSRV SDSVGFLLWWN NNGNAGCATC FVKELYILT CQHVIASIVG EGIDSSEWAN IISQCVKVT F DYEELLPTGD KFFMVKPWFE ISDKHLDYAV LELKENGQEV PAGLYHRIRP VPHSGLIYII GHPEGEKCSI DCCTVVPQSS RRKKCQENFQ AREEAGFCFS TSFIHMYTQR SFQEMLHNSD VVTYDTSFFG GSSGSPVFDS NGSLVAMHAA GITCTYQAGV SNIIEFGSIM ESIDDHMKQD KYKEWYNTIS GNVQNVEMLS IDF <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b></p>

## Product Details

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**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

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## Target Details

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**Target:** FAM111A

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**Alternative Name:** Fam111a ([FAM111A Products](#))

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**Background:** Serine protease FAM111A (EC 3.4.21.-),FUNCTION: Single-stranded DNA-binding serine protease that mediates the proteolytic cleavage of covalent DNA-protein cross-links (DPCs) during DNA synthesis, thereby playing a key role in maintaining genomic integrity. DPCs are highly toxic DNA lesions that interfere with essential chromatin transactions, such as replication and transcription, and which are induced by reactive agents, such as UV light or formaldehyde. Protects replication fork from stalling by removing DPCs, such as covalently trapped topoisomerase 1 (TOP1) adducts on DNA lesion, or poly(ADP-ribose) polymerase 1 (PARP1)-DNA complexes trapped by PARP inhibitors. Required for PCNA loading on replication sites. Promotes S-phase entry and DNA synthesis. {ECO:0000250|UniProtKB:Q96PZ2}.

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## Target Details

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Molecular Weight: 69.9 kDa

UniProt: [Q9D2L9](#)

## 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.

Restrictions: For Research Use only

## Handling

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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