

Datasheet for ABIN7557529  
**FAM46C Protein (AA 1-391) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FAM46C
Protein Characteristics:	AA 1-391
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM46C protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Tent5c Protein expressed in mammalian cells.
Sequence:	MAEEGSSTKD SESFSVLNWD QVSRLHEVLT EVVPIHGRGN FPTLEITLKD IVQTVRGRLE EAGINVQDVR LNGSAAGHVL VKDNGLGCKD LDLIFHVALP TEAEFQLVRD VVLCSSLNFL PEGVNKLKIS PVTLKEAYVQ KLVKVCTDTD RWSLISLSNK NGRNVELKFV DSIRRQFEFS VDSFQIILDS LFFFYDCSGN PISEHFHPTV IGESMYGDFE EAFDHLQNR L IATKNPEEIR GGLLKYSNL LVRDFRPADQ EEIKTLERYM CSRFFIDFPD ILEQQRKLET YLQNHFSDEE RSKYDYL MIL RRVVNESTVC LMGHERRQTL NLISLLALRV LAEQNIIPSA TNVTCYYQPA PYVSDGNFNN YYIAHPPITY SQPYPTWLPC N <b>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.</b>
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.

## Product Details

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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:

FAM46C

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### Alternative Name:

Tent5c ([FAM46C Products](#))

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### Background:

Terminal nucleotidyltransferase 5C (EC 2.7.7.19),FUNCTION: Catalyzes the transfer of one adenosine molecule from an ATP to an mRNA poly(A) tail bearing a 3'-OH terminal group and enhances mRNA stability and gene expression (PubMed:34048638). Can also elongate RNA oligos ending with uridine molecule, provided that the sequence is adenosine-rich (By similarity). Mainly targets mRNAs encoding endoplasmic reticulum-targeted protein (PubMed:28931820). {ECO:0000250|UniProtKB:Q5VWP2, ECO:0000269|PubMed:28931820, ECO:0000269|PubMed:34048638}.

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### Molecular Weight:

44.8 kDa

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### UniProt:

[Q5SSF7](#)

## 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

## Application Details

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functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## 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

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