

Datasheet for ABIN7553902  
**FAM134B Protein (AA 1-497) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FAM134B
Protein Characteristics:	AA 1-497
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM134B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant RETREG1 Protein expressed in mammalian cells.
Sequence:	<p>MASPAPPEHA EEGCPAPAAE EQAPPSPPPP QASPAERQQQ EEEAQEAGAA EGAGLQVEEA AGRAAAAVTW LLGEPVLWLG CRADELLSWK RPLRSLG FV AANLLFWFLA LTPWRVYHLI SVMILGRVIM QIIKDMVLSR TRGAQLW RSL SESWEVINSK PDERPRLSHC IAESWMNFSI FLQEMSLFKQ QSPGKFCLLV CSVCTFFTIL GSYIPGVILS YLLLLCAFLC PLFKCNDIGQ KIYSKIKSVL LKLDGIG EY INQKKRERSE ADKEKSHKDD SELDFSALCP KISLTVAAKE LSVSDTDVSE VSWTDNGTFN LSEGYTPQTD TSDDLDRPSE EVFSRDLSD F PSENGMGTN DEDELSGLP TELKRKKEQL DSGHRPSKET QSAAGLTLPL NSDQTFH LMS NLAGDVITAA VTAAIKDQLE GVQQALSQAA PIPEEDTDTE EGDDFELLDQ SELDQIESEL GLTQDQEA EA QQNKKSSGFL SNLLGGH <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></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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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:

FAM134B

### Alternative Name:

RETREG1 ([FAM134B Products](#))

### Background:

Reticulophagy regulator 1 (Reticulophagy receptor 1),FUNCTION: Endoplasmic reticulum (ER)-anchored autophagy regulator which mediates ER delivery into lysosomes through sequestration into autophagosomes (PubMed:26040720, PubMed:31930741, PubMed:34338405). Promotes membrane remodeling and ER scission via its membrane bending capacity and targets the fragments into autophagosomes via interaction with ATG8 family proteins (PubMed:26040720, PubMed:31930741, PubMed:34338405). Active under basal conditions (PubMed:34338405). Required for collagen quality control in a LIR motif-dependent manner (By similarity). Required for long-term survival of nociceptive and autonomic ganglion neurons (PubMed:19838196, PubMed:26040720). {ECO:0000250|UniProtKB:Q8VE91, ECO:0000269|PubMed:19838196, ECO:0000269|PubMed:26040720, ECO:0000269|PubMed:34338405}., FUNCTION: (Microbial infection) During SARS-CoV-2 infection, RETREG1-mediated reticulophagy is promoted by SARS-CoV-2 ORF3A protein

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(PubMed:35239449). This induces endoplasmic reticulum stress and inflammatory responses and facilitates viral infection (PubMed:35239449). {ECO:0000269|PubMed:35239449}.

Molecular Weight: 54.7 kDa

UniProt: [Q9H6L5](#)

## 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