

Datasheet for ABIN7555548  
**FTSJ3 Protein (AA 1-847) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	FTSJ3
Protein Characteristics:	AA 1-847
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FTSJ3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant FTSJ3 Protein expressed in mammalian cells.
Sequence:	<p>MGKKGKVGKS RRDKFYHLAK ETGYRSRSAF KLIQLNRRFQ FLQKARALLD LCAAPGGWLQ</p> <p>VAAKFMPVSS LIVGVDLPVI KPLPNVVTLQ QDITTERCRQ ALRKELKTWK VDVVLNDGAP</p> <p>NVGASWVHDA YSQAHLTLMA LRLACDFLAR GGSFITKVFR SRDYQPLLWI FQQLFRRVQA</p> <p>TKPQASRHES AEIFVVCQGF LAPDKVDSKF FDPKF AFKEV EVQAKVTTEL VTKKKPKAEG</p> <p>YAEGLTLTYH RTSVTDFLRA ANPVDFLSKA SEIMVDDEEL AQHPATTEDI RVCCQDIRVL</p> <p>GRKELRSLN WRTKLRRYVA KKLKEQAKAL DISLSSGEED EGDEEDSTAG TTKQPSKEEE</p> <p>EEEEEEQLNQ TLAEMKAQEV AELKRKKKKL LREQRKQER VELKMDLPGV SIADEGETGM</p> <p>FSLSTIRGHQ LLEEVQTGDM SAADTFLSDL PRDDIYVSDV EDDGDDTSLD SDLDPEELAG</p> <p>VRGHQGLRDQ KRMRLTEVQD DKEEEEEENP LLVPLEEKAV LQEEQANLWF SKGSFAGIED</p> <p>DADEALEISQ AQLLFENRRK GRQQQKQQL PQTPPSCLKT EIMSPYQDE APKGTEASSG</p> <p>TEAATGLEGE EKDGISDS DS STSSEEEESW EPLRGKKRSR GPKSDDDGFE IVPIEDPAKH</p> <p>RILDPEGLAL GAVIASSKKA KRDLIDNSFN RYTFNEDEGE LPEWVFQEEK QHRIRQLPVG</p>

## Product Details

KKEVEHYRKR WREINARPIK KVAEAKARKK RRMLKRLEQT RKKAEEAVVNT VDISEREKVA  
QLRSLYKKAG LGKEKRHVITY VVAKKGVGRK VRRPAGVRGH FKVVDSRMKK DQRAQQRKEQ  
KKKHKRK **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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	FTSJ3
Alternative Name:	FTSJ3 ( <a href="#">FTSJ3 Products</a> )
Background:	<p>Pre-rRNA 2'-O-ribose RNA methyltransferase FTSJ3 (EC 2.1.1.-) (Protein ftsJ homolog 3) (Putative rRNA methyltransferase 3),FUNCTION: RNA 2'-O-methyltransferase involved in the processing of the 34S pre-rRNA to 18S rRNA and in 40S ribosomal subunit formation. {ECO:0000255 HAMAP-Rule:MF_03163, ECO:0000269 PubMed:22195017}., FUNCTION: (Microbial infection) In case of infection by HIV-1 virus, recruited to HIV-1 RNA and catalyzes 2'-O-methylation of the viral genome, allowing HIV-1 virus to escape the innate immune system</p>

## Target Details

(PubMed:30626973). RNA 2'-O-methylation provides a molecular signature for discrimination of self from non-self and is used by HIV-1 to evade innate immune recognition by IFIH1/MDA5 (PubMed:30626973). Mediates methylation of internal residues of HIV-1 RNA, with a strong preference for adenosine (PubMed:30626973). Recruited to HIV-1 RNA via interaction with TARBP2/TRBP (PubMed:30626973). {ECO:0000269|PubMed:30626973}.

Molecular Weight: 96.6 kDa

UniProt: [Q8IY81](#)

## Application Details

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

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