



[Go to Product page](#)

Datasheet for ABIN3129550

## FTSJ3 Protein (AA 1-838) (His tag)

### 1 Image

#### Overview

Quantity:	1 mg
Target:	FTSJ3
Protein Characteristics:	AA 1-838
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FTSJ3 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

#### Product Details

Sequence: MGKKGKVGKS RRDKFYHLAK ETGYRSRSF KLIQLNRRFQ FLQKARALLD LCAAPGGWLQ  
VAAKFMVSS LIVGVDLVPI KPLPNVVTLQ EDITTERCRQ ALRKELKTWK VDVVLNDGAP  
NVGASWVHDA YSQAHLTLMA LRLACDFLAR GGCFITKVFR SRDYQPLLWI FQLFHVRVQA  
TKPQASRHES AEIFVVCQGF LAPDKVDAKF FDPKFVAFKEV EVQAKVTTEL VTKKKPKAEG  
YAEGDLTLYH RTSVTDLRA ANPVDFLSKA SEISIDDEEL AQHPATTEDI RVCCQDIKVL  
GRKELRSLLN WRTKLRRYVA KKLKEQAKAL DISLSSEEEE EGDEEEAVAE TKQAPEEEEE  
REEEQLNRTL AEMKAQEVAE LKRKKKKLLR EQRKQERVE LKMDLPGVSI ADEGETGMFS  
LRTIRGQQLL EEVTQGMNA ADTFLSDLPR DDIYVSDAED DDDTSLESDL DPEELAGVRT  
HSDLKEQKYL RFTQVDDNKE EEGENPLLVP LEEKAVLQEE QASLWFSKDG FSGIEDDADE  
ALEISQAQLL YKSRQKEQP TDPPTPTNL KTEKSPQGQ NEVPKETEAI LGTEAVTDPG  
GEERGNSSDS DSSSEDEDS WKVSRGVKRG RGSKADEDF EVVPIQDPVK YRILDPEGLA  
LGAVIASSKK AKRDLIDNSF NRYAFNEEEG ELPEWFAQEE KQHRIRQLPV DKKEVEHYRK

RWREINARPI KKVAEAKARK KRRVLKKLEQ TKKKAEEAVVN TVDISEREKV AQLRSLYKKA  
GLGKEKRQVT YVVAKKGVGR KVRPPAGVKG HFKVVDSRMK KDQRAQQRKE QKKKHKRK

**Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**

---

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Ftsj3 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

---

Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

---

Purity:

>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

---

Sterility:

0.22 µm filtered

---

Endotoxin Level:

Protein is endotoxin free.

---

## Product Details

---

Grade: Crystallography grade

## Target Details

---

Target: FTSJ3

Alternative Name: Ftsj3 ([FTSJ3 Products](#))

Background: Probable 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}.

Molecular Weight: 96.5 kDa Including tag.

UniProt: [Q9DBE9](#)

## Application Details

---

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Comment: Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Buffer: 100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value 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: Unlimited (if stored properly)



**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process