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# RBM15 Protein (AA 1-977) (His tag)





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#### Overview

Quantity:	1 mg
Target:	RBM15
Protein Characteristics:	AA 1-977
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBM15 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

#### **Product Details**

#### Sequence:

MRTAGRDPVP RRSPRWRRAV PLCETSAGRR VTQLRGDDLR RPATMKGKER SPVKAKRSRG
GEDSTSRGER SKKLGGSGGS NGSSSGKTDS GGGSRRSLHL DKSSSRGGSR EYDTGGGSSS
SRLHSYSSPS TKNSSGGGES RSSSRGGGGE SRSSGAASSA PGGGDGAEYK TLKISELGSQ
LSDEAVEDGL FHEFKRFGDV SVKISHLSGS GSGDERVAFV NFRRPEDARA AKHARGRLVL
YDRPLKIEAV YVSRRRSRSP LDKDTYPPSA SVVGASVGGH RHPPGGGGGQ RSLSPGGAAL
GYRDYRLQQL ALGRLPPPPP PPLPRDLERE RDYPFYERVR PAYSLEPRVG AGAGAAPFRE
VDEISPEDDQ RANRTLFLGN LDITVTESDL RRAFDRFGVI TEVDIKRPSR GQTSTYGFLK
FENLDMSHRA KLAMSGKIII RNPIKIGYGK ATPTTRLWVG GLGPWVPLAA LAREFDRFGT
IRTIDYRKGD SWAYIQYESL DAAHAAWTHM RGFPLGGPDR RLRVDFADTE HRYQQQYLQP
LPLTHYELVT DAFGHRAPDP LRGARDRTPP LLYRDRDRDL YPDSDWVPPP PPVRERSTRT
AATSVPAYEP LDSLDRRRDG WSLDRDRGDR DLPSSRDQPR KRRLPEESGG RHLDRSPESD
RPRKRHCAPS PDRSPELSSS RDRYNSDNDR SSRLLLERPS PIRDRRGSLE KSQGDKRDRK

NSASAERDRK HRTTAPTEGK SPLKKEDRSD GSAPSTSTAS SKLKSPSQKQ DGGTAPVASA SPKLCLAWQG MLLLKNSNFP SNMHLLQGDL QVASSLLVEG STGGKVAQLK ITQRLRLDQP KLDEVTRRIK VAGPNGYAIL LAVPGSSDSR SSSSSAASDT ATSTQRPLRN LVSYLKQKQA AGVISLPVGG NKDKENTGVL HAFPPCEFSQ QFLDSPAKAL AKSEEDYLVM IIVRGFGFQI GVRYENKKRE NLALTLL

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.
- Human RBM15 Protein (raised in E. Coli) 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 receival 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 bacterial culture:

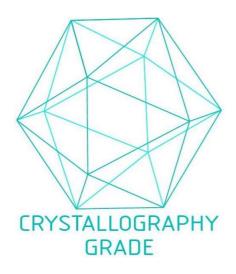
- 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
- Protein containing fractions of the best purification are subjected to second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

Product Details	
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 μm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade
Target Details	
Target:	RBM15
Alternative Name:	RBM15 (RBM15 Products)
Background:	May function as an mRNA export factor, stimulating export and expression of RTE-containing mRNAs which are present in many retrotransposons that require to be exported prior to splicing. High affinity binding of pre-mRNA to RBM15 may allow targeting of the mRNP to the export helicase DBP5 in a manner that is independent of splicing-mediated NXF1 deposition, resulting in export prior to splicing. May be implicated in HOX gene regulation. {ECO:0000269 PubMed:17001072, ECO:0000269 PubMed:19786495}.
Molecular Weight:	108.1 kDa Including tag.
UniProt:	Q96T37
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 gurantee though.
Comment:	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.

## Handling

Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

### **Images**



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