

Datasheet for ABIN3118773  
**RRBP1 Protein (AA 1-1410) (rho-1D4 tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	1 mg
Target:	RRBP1
Protein Characteristics:	AA 1-1410
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RRBP1 protein is labelled with rho-1D4 tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA, Crystallization (Crys)

## Product Details

Sequence:	MDIYDTQTLG VVVFEGGMVV SAIGIFLVST FSMKETS YEE ALANQRKEMA KTHHQKVEKK KKEKTVEKKG KTKKKEEKPN GKIPDHDPAP NVTVLLREPV RAPAVAVAPT PVQPPPIIVAP VATVPAMPQE KLASSPKDKK KKEKKVAKVE PAVSSVNSI QVLTSKAAIL ETAPKEVPMV VPPVGAAGN TPATGTTQ GK AE GTQNGSK AE GAPNQGR AE GTPNQ GK KTEGTPNQ GK AE GTPNQ GK AE GTPNQ GK AE GAQNG GK KVD TTPNQ GK KVEGAPTQGR AE GAQNG AK KVEGAQNG GK AE GAQNG GK KGE GAQNG GK AE GAQNG GK AE GAQNG GK AE GAQNG GK AE GAQNG GK AE GAQNG GK KSE GAQNG GK KVEGAQNG GK AE GAQNG GK AE GAQNG GK AE GAQNG GK AE GAQNG GK AE GAQNG GK AE GAQNG GK AE GAQNG GK KVEGAQNG GK AE GAQNG GK AE GAQNG GK AE GAQNG GK KGE GAQNG GK KTEGAQNG GK ERS PNQ GK KG EGAPIQGKKA DSVANQG TKV EGITNQ GK KA EGSPSEGKKA EGSPNQ GK KA DAAANQG KKT ESASVQGRNT DVAQSPEAPK QEAPAKKKSG SKKKGEPGPP DADGPLYLPY KTLVSTVGSM VFNEGEAQRL IEILSEKAGI IQDTWHKATQ KGDPVAILKR QLEEKEKLLA TEQEDAAVAK
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SKLRELNKEM AAEKAKAAAG EAKVKKQLVA REQEITAVQA RMQASYREHV KEVQQLQGKI  
RTLQEQLENG PNTQLARLQQ ENSILRDALN QATSQVESKQ NAELAKLRQE LSKVSKELVE  
KSEAVRQDEQ QRKALEAKAA AFEKQVLQLQ ASHRESEEAL QKRLDEVSTRE LCHTQSSHAS  
LRADAEKAQE QQQQMAELHS KLSSEAEVR SKCEELSGH GQLQEARAEN SQLTERIRSI  
EALLEAGQAR DAQDVQASQA EADQQQTRLK ELESQVSGLE KEAIELREAV EQQKVKNNDL  
REKNWKAMEA LATAEQACKE KLLSLTQAKE ESEKQLCLIE AQTMEALLAL LPELSVLAQQ  
NYTEWLQDLK EKGPTLLKHP PAPAEPSSDL ASKLREAEET QSTLQAECDQ YRSILAETEG  
MLRDLQKSVE EEEQVWRAKV GAAEEELQKS RVTVKHLEEI VEKLGGELES SDQVREHTSH  
LEAELEKHMA AASAEQCQNYA KEVAGLRQLL LESQSQLDAA KSEAQKQSDE LALVRQQLSE  
MKSHVEDGDI AGAPASSPEA PPAEQDPVQL KTQLEWTEAI LEDEQTQRQK LTAEFEEAQ  
SACRLQEELE KLRTAGPLES SETEEASQLK ERLEKEKKLT SDLGRAATRL QELLKTTQE  
LAREKDTVKK LQEQLEKAED GSSSKEGTSV

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

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### Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human RRP1 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.

## Product Details

Purification:	Three step purification of membrane proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none"><li>1. Membrane proteins are fractioned by ultracentrifugation and subsequently solubilized with different detergents (detergent screen). Samples are analyzed by Western blot.</li><li>2. The best performing detergent is used for solubilization and the proteins are purified via their rho1D4 tag via two rho1D4 antibody columns: one DTT resistant, the other one not. Eluate fractions are analyzed by Western blot.</li><li>3. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatograph. Eluate fractions are analyzed by SDS-PAGE and Western blot.</li></ol>
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Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
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Sterility:	0.22 µm filtered
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Endotoxin Level:	Protein is endotoxin-free.
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Grade:	Crystallography grade
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## Target Details

Target:	RRBP1
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Alternative Name:	RRBP1 ( <a href="#">RRBP1 Products</a> )
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Background:	Acts as a ribosome receptor and mediates interaction between the ribosome and the endoplasmic reticulum membrane. {ECO:0000250}.
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Molecular Weight:	153.6 kDa Including tag.
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UniProt:	<a href="#">Q9P2E9</a>
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## 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.
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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.
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Restrictions:	For Research Use only
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## 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)

## Images



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