

Datasheet for ABIN7558060

## RRM2B Protein (AA 1-351) (His tag)



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### Overview

Quantity:	1 mg
Target:	RRM2B
Protein Characteristics:	AA 1-351
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RRM2B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Rrm2b Protein expressed in mammalian cells.
Sequence:	<p>MGDPERPEAA RPEKGELCS ETEENVVRSN EEPLLRKSSR RFVIFPIQYP DIWRMYKQAAQ</p> <p>ASFWTAEEDV LSKDLPHWNK LKSDEKYFIS HILAFFAASD GIVNENLVER FSQEVQVPEA</p> <p>RCFYGFQILI ENVHSEMYSL LIDTYIRDPK KREFLFNAIE TMPYVKKKAD WALRWIADRK</p> <p>STFGERVVAF AAVEGIFFSG SFAAIFWLKK RGLMPGLTFS NELISRDEGL HCDFACLMFQ</p> <p>YLVNKPSEDR VREIADAVQ IEQFLTEAL PVGLIGMNCV LMKQYIEFVA DRLLGELGFS</p> <p>KIFQAENPFD FMENISLEGK TNFFEKRVSE YQRFVMAET TDNVFTLDAD F <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>
Characteristics:	Key Benefits:

## Product Details

- 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, Western Blot
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Grade:	custom-made
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## Target Details

Target:	RRM2B
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Alternative Name:	Rrm2b ( <a href="#">RRM2B Products</a> )
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Background:	Ribonucleoside-diphosphate reductase subunit M2 B (EC 1.17.4.1) (TP53-inducible ribonucleotide reductase M2 B) (p53-inducible ribonucleotide reductase small subunit 2-like protein) (p53R2),FUNCTION: Plays a pivotal role in cell survival by repairing damaged DNA in a p53/TP53-dependent manner. Supplies deoxyribonucleotides for DNA repair in cells arrested at G1 or G2. Contains an iron-tyrosyl free radical center required for catalysis. Forms an active ribonucleotide reductase (RNR) complex with RRM1 which is expressed both in resting and proliferating cells in response to DNA damage. {ECO:0000269 PubMed:11517226, ECO:0000269 PubMed:12858174}.
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Molecular Weight:	40.8 kDa
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UniProt:	<a href="#">Q6PEE3</a>
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Pathways:	<a href="#">p53 Signaling</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</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.

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