

Datasheet for ABIN7551809  
**PPP2R5B Protein (AA 1-497) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	PPP2R5B
Protein Characteristics:	AA 1-497
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP2R5B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat PPP2R5B Protein expressed in mammalien cells.
Sequence:	METKLPPAST PTSPSSPGLS PVPPDPKVDG FSRRSLRRAR PRRSHSSSQF RYQSNQQELT PLPLLKDVPA SELHELLSRK LAQCGVMFDF LDCVADLKGK EVKRAALNEL VECVGSTRGV LIEPVYPDII RMISVNIFRT LPPSENPEFD PEEDEPNLEP SWPHLQLVYE FFLRFLESPD FQPSVAKRYV DQKFVLMLE LFDSEDPREY EYLKILHRV YGKFLGLRAY IRKQCNHIFL RFIYEFHFN GVAELLEILG SIINGFALPL KTEHKQLVR VLIPLHSVKS LSVFHAQLAY CVVQFLEKDA TLTEHVIRGL LKYWPKTCTQ KEVMFLGEME EILDVIEPSQ FVKIQEPLFK QVARCVSSPH FQVAERALYF WNNEYILSLI EDNCHTVLPA VFGTLYQVSK EHWNQTIVSL IYNVLKTFME MNGKLFDELT ASYKLEKQQE QQKAQERQEL WQGLEELRLR RLQGTQGAKE APLQRLTPQV AASGGQS <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>

## Product Details

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### Characteristics:

#### Key Benefits:

- 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

## Target Details

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### Target:

PPP2R5B

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### Alternative Name:

PPP2R5B ([PPP2R5B Products](#))

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### Background:

Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit beta isoform (PP2A B subunit isoform B'-beta) (PP2A B subunit isoform B56-beta) (PP2A B subunit isoform PR61-beta) (PP2A B subunit isoform R5-beta),FUNCTION: As the regulatory component of the serine/threonine-protein phosphatase 2A (PP2A) holoenzyme, modulates substrate specificity, subcellular localization, and responsiveness to phosphorylation. The phosphorylated form mediates the interaction between PP2A and AKT1, leading to AKT1 dephosphorylation. {ECO:0000269|PubMed:21329884}.

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### Molecular Weight:

57.4 kDa

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### UniProt:

[Q15173](#)

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### Pathways:

[PI3K-Akt Signaling](#), [ER-Nucleus Signaling](#)

## Application Details

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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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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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