

Datasheet for ABIN7558251
PRR14 Protein (AA 1-612) (His tag)



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Overview

Quantity:	1 mg
Target:	PRR14
Protein Characteristics:	AA 1-612
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRR14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Prr14 Protein expressed in mammalian cells.
Sequence:	MDLPGNSSPF TQPSLCRQPL SRASWEARSP KRPRQLPLGT PSSLEKASRR VLAVVLEDVM TTNRVPLTHK EDTPSPLTHN HHQDPVCTQS PALPSQQVKW SMQARPPDPL HLCREPLTRA RQSSPALRMR SRAASGPEES PSKKTQVPQ PTLVVLEDI ASGRQPAEGF DEDQPNLIVP AQSTFRSLKG PGKHCHRRGL DLEARPTLTL SLHPRAEPVT KAGQPMPTPS DLEPPFQLST LPADPPESPV PDPALETPVI PTSSLLRPR LSPWGLAPLF RSVRSKLESF ADIFFTPNKT PQPPPPSPPM KLELKIAISE AEQSRATEKI TSVSPRPPIR QWRTQCNSLA PVSKSSLGRS YSCPDLGPPD PGSWPPVPSQ PSQSRPRRHT VGCSEMARTP PPRPCLRKE VFPLGGVGVS PSLTTSCSAN APASFFCEPA EPRLGSTK GK ELRASKDKVF SDPETKTMGK VSRFRIRRT VRLQPNLTPM GLPRPIRLNK KEFTLEEIYT NKNYQSPTTR RTFETIFEFP RERNGTLIFT SSRKLRRAVE FRDSSLPRSR RPSRQVVRTAA SRTLTPNLAP SQDVGSLLE RLRELDALLL EEETDKEHPC HL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make

Product Details

another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: PRR14

Alternative Name: Prr14 ([PRR14 Products](#))

Background: Proline-rich protein 14,FUNCTION: Functions in tethering peripheral heterochromatin to the nuclear lamina during interphase, possibly through the interaction with heterochromatin protein CBX5/HP1 alpha (By similarity). Might play a role in reattaching heterochromatin to the nuclear lamina at mitotic exit (By similarity). Promotes myoblast differentiation during skeletal myogenesis, possibly by stimulating transcription factor MyoD activity via binding to CBX5/HP1 alpha (PubMed:25906157) (By similarity). Involved in the positive regulation of the PI3K-Akt-mTOR signaling pathway and in promoting cell proliferation, possibly via binding to GRB2 (By similarity). {ECO:0000250|UniProtKB:Q9BWN1, ECO:0000269|PubMed:25906157}.

Molecular Weight: 67.8 kDa

Target Details

UniProt: [Q7TPN9](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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