

Datasheet for ABIN7562320
PRRT1 Protein (AA 1-306) (His tag)



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Overview

Quantity:	1 mg
Target:	PRRT1
Protein Characteristics:	AA 1-306
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRRT1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Prrt1 Protein expressed in mammalian cells.
Sequence:	<p>MSSEKSLPD SVPHTSPPY NAPQPPAEP IPPPQTAPSS HHHHHHHYHQ SGTATLPRLG AGGLASAAAS AQRGPSSSAT LPRPPHHAPP GPAAGAPPPG CATLPRMPPD PYLQETRFEG PLPPPPAAA APPPPAPAPT AQAPGFVVPT HAGAVGTLPL GGYVAPGYPL QLQPCTAYVP VYPVGTPYAG GTPGGPGVTS TLPPPPQGGP LALLEPRRPP HDYMPIAVLT TICCFWPTGI IAIFKAVQVR TALARGDLVS AEIASREARN FSFISLAVGI AAMVLCTILT VVHIAAQHH ENYWDP</p> <p>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.</p>
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:

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	PRRT1
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Alternative Name:	Prrt1 (PRRT1 Products)
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Background:	Proline-rich transmembrane protein 1 (Dispanin subfamily D member 1) (DSPD1) (Synapse differentiation-induced protein 4) (SynDIG4),FUNCTION: Required to maintain a pool of extrasynaptic AMPA-regulated glutamate receptors (AMPA) which is necessary for synapse development and function (PubMed:29490264). Regulates AMPAR function and synaptic transmission during development but is dispensable at mature hippocampal synapses (PubMed:29490264, PubMed:31216424). Plays a role in regulating basal phosphorylation levels of glutamate receptor GRIA1 and promotes GRIA1 and GRIA2 cell surface expression (PubMed:31216424). {ECO:0000269 PubMed:29490264, ECO:0000269 PubMed:31216424}.
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Molecular Weight:	31.4 kDa
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UniProt:	O35449
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Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

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
