

Datasheet for ABIN7549528
MRGPRD Protein (AA 1-321) (His tag)



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Overview

Quantity:	1 mg
Target:	MRGPRD
Protein Characteristics:	AA 1-321
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MRGPRD protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MRGPRD Protein expressed in mammalian cells.
Sequence:	MNQTLNSSGT VESALNYSRG STVHTAYLVL SSLAMFTCLC GMAGNSMVIW LLGFRMHRNP FCIYILNLAA ADLLFLFSMA STLSLETQPL VNTTDKVHEL MKRLMYFAYT VGLSLLTAIS TQRCLSVLFP IWFKCHRPRH LSAWVCGLLW TLCLLMNGLT SSFCSKFLKF NEDRCFRVDM VQAALIMGVL TPVMTLSSLT LFWVVRSSQ QWRRQPTRLF VVVLASVLVF LICSLPLSIY WFLVLYWLSLP PEMQVLCFSL SRLSSSVSSS ANPVIYFLVG SRRSHRLPTR SLGTVLQQAL REEPELEGGE TPTVGTNEMG A 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.
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:	MRGPRD
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Alternative Name:	MRGPRD (MRGPRD Products)
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Background:	Mas-related G-protein coupled receptor member D (Beta-alanine receptor) (G-protein coupled receptor TGR7),FUNCTION: May regulate nociceptor function and/or development, including the sensation or modulation of pain. Functions as a specific membrane receptor for beta-alanine. Beta-alanine at micromolar doses specifically evoked Ca(2+) influx in cells expressing the receptor. Beta-alanine decreases forskolin-stimulated cAMP production in cells expressing the receptor, suggesting that the receptor couples with G-protein G(q) and G(i).
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Molecular Weight:	36.1 kDa
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UniProt:	Q8TDS7
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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 functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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