

Datasheet for ABIN7559380

MRGPRX1 Protein (AA 1-322) (His tag)



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Overview

Quantity:	1 mg
Target:	MRGPRX1
Protein Characteristics:	AA 1-322
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MRGPRX1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mrgprx1 Protein expressed in mammalian cells.
Sequence:	<p>MDPTISSHDT ESTPLNETGH PNCTPILTLS FLVLITTLVG LAGNTIVLWL LGFRMRRKAI</p> <p>SVYILNLALA DSFFLCCHFI DSLLRIIDFY GLYAHKLSKD ILGNAAIPY ISGLSILSAI STERCLCVLW</p> <p>PIWYHCHRPR NMSAICALI WVLSFLMGIL DWFSGFLGET HHHLWKNVDF IITAFILFLF</p> <p>MLLSGSSLAL LLRILCGPRR KPLSRLYVTI ALTVMVYLIC GLPLGLYLFL LYWFGVHLHY</p> <p>PFCHIQVTA VLSCVNSSAN PIYFLVGSF RQHRKHRSLK RVLKRALEDT PEEDEYTDSE</p> <p>LHKTEISES RY 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)
Grade:	custom-made

Target Details

Target:	MRGPRX1
Alternative Name:	Mrgprx1 (MRGPRX1 Products)
Background:	Mas-related G-protein coupled receptor member X1 (Mas-related G-protein coupled receptor member C11) (Sensory neuron-specific G-protein coupled receptor 1),FUNCTION: Orphan receptor activated by neuropeptides terminating in Arg-Phe or Arg-Phe-amide. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Its effect is mediated by G(q) and G(11) proteins. May regulate the function of nociceptive neurons by modulation of pain perception. {ECO:0000250 UniProtKB:Q96LB2, ECO:0000269 PubMed:12397184}.
Molecular Weight:	36.8 kDa
UniProt:	Q8CIP3

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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Application Details

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