

Datasheet for ABIN7554605
MRGPRX1 Protein (AA 1-322) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MRGPRX1
Protein Characteristics:	AA 1-322
Origin:	Human
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:	MDPTISTLDT ELTPINGTEE TLCYKQTL SL TVLTCIVSLV GLTGN AV LW LLGCRMRRNA FSIYILNLAA AD FL LSGRL IY LL SFISI PHTISKILYP VMMFSYFAGL SFLSAVSTER CLSVLWPIWY RCHRPTHLSA VVCVLLWALS LLRSILEWML CGFLFSGADS AWCQTSDFIT VAWLIFLCVW LCGSSLVLLI RILCGSRKIP LTRLVVTILL TVLVFLLCGL PFGIQFFLFL WIHVDREVL F CHVHLVSIFL SALNSSANPI IYFFVGSFRQ RQNRQNLKLV LQRALQDASE VDEGGGQLPE EILELSGSRL EQ 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:	MRGPRX1
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Alternative Name:	MRGPRX1 (MRGPRX1 Products)
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Background:	Mas-related G-protein coupled receptor member X1 (Sensory neuron-specific G-protein coupled receptor 3/4),FUNCTION: Orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain. Potently activated by enkephalins including BAM22 (bovine adrenal medulla peptide 22) and BAM (8-22)(PubMed:26582731). BAM22 is the most potent compound and evoked a large and dose-dependent release of intracellular calcium in stably transfected cells. G(alpha)q proteins are involved in the calcium-signaling pathway. Activated by the antimalarial drug, chloroquine. May mediate chloroquine-induced itch, in a histamine-independent manner. {ECO:0000269 PubMed:11850634, ECO:0000269 PubMed:20004959, ECO:0000269 PubMed:26582731}.
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Molecular Weight:	36.3 kDa
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UniProt:	Q96LB2
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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.

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
