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Datasheet for ABIN7549513

**MRAP2 Protein (AA 1-205) (His tag)**

## Overview

Quantity:	1 mg
Target:	MRAP2
Protein Characteristics:	AA 1-205
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MRAP2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant MRAP2 Protein expressed in mammalian cells.
Sequence:	MSAQLISNR TSQQSASNSD YTWEYEYEI GPVSFEG LKA HKYSIVIGFW VGLAVFVIFM FFVLTLLTKT GAPHQDNAES SEKRFRMNSF VSDFG RPLEP DKVFSRQGNE ESRSLFHCYI NEVERLDRAK ACHQTTALDS DVQLQEAI RS SGQPEEELNR LMKFDIPNFV NTDQNYFGED DLLISEPPIV LETKPLSQTS HKDLD <b>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.</b>
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: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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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.

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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

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Target:	MRAP2
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Alternative Name:	MRAP2 ( <a href="#">MRAP2 Products</a> )
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Background:	Melanocortin-2 receptor accessory protein 2 (MC2R accessory protein 2),FUNCTION: Modulator of melanocortin receptor 4 (MC4R), a receptor involved in energy homeostasis. Plays a central role in the control of energy homeostasis and body weight regulation by increasing ligand-sensitivity of MC4R and MC4R-mediated generation of cAMP (By similarity). May also act as a negative regulator of MC2R: competes with MRAP for binding to MC2R and impairs the binding of corticotropin (ACTH) to MC2R. May also regulate activity of other melanocortin receptors (MC1R, MC3R and MC5R), however, additional evidence is required in vivo. {ECO:0000250, ECO:0000269 PubMed:19329486, ECO:0000269 PubMed:20371771}.
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Molecular Weight:	23.5 kDa
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UniProt:	<a href="#">Q96G30</a>
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## Application Details

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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

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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