

Datasheet for ABIN7549461

MRAP Protein (AA 1-172) (His tag)



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Overview

Quantity:	1 mg
Target:	MRAP
Protein Characteristics:	AA 1-172
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MRAP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MRAP Protein expressed in mammalian cells.
Sequence:	MANGTNASAP YYSYEYLDY LDLIPVDEKK LKAHKHSIVI AFWVSLAAV VLLFLILLYM SWSASPQMRN SPKHHQTCPW SHGLNLHLICI QKCLPCHREP LATSQAQASS VEPGSRTGPD QPLRQESSST LPLGGFQTHP TLLWELTLNG GPLVRSKPSE PPPGDRTSQL QS 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: • 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

Product Details

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:	MRAP
Alternative Name:	MRAP (MRAP Products)
Background:	Melanocortin-2 receptor accessory protein (B27) (Fat cell-specific low molecular weight protein) (Fat tissue-specific low MW protein),FUNCTION: Modulator of melanocortin receptors (MC1R, MC2R, MC3R, MC4R and MC5R). Acts by increasing ligand-sensitivity of melanocortin receptors and enhancing generation of cAMP by the receptors. Required both for MC2R trafficking to the cell surface of adrenal cells and for signaling in response to corticotropin (ACTH). May be involved in the intracellular trafficking pathways in adipocyte cells. {ECO:0000269 PubMed:15654338, ECO:0000269 PubMed:19329486, ECO:0000269 PubMed:20371771}.
Molecular Weight:	19.1 kDa
UniProt:	Q8TCY5
Pathways:	Brown Fat Cell Differentiation

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