

Recombinant Mouse Mrap Protein, Myc/DDK-tagged

Cat. No. Mrap-4133M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length melanocortin 2 receptor accessory protein (Mrap), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	14.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Mrap melanocortin 2 receptor accessory protein [Mus musculus (house mouse)]
Official Symbol	Mrap
Synonyms	MRAP; melanocortin 2 receptor accessory protein; melanocortin-2 receptor accessory protein; fat tissue-specific low MW protein; fat cell-specific low molecular weight protein; Falp; ORF61; 1110025G12Rik
Gene ID	77037
mRNA Refseq	NM_029844
Protein Refseq	NP_084120
UniProt ID	Q9D159

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