

# Recombinant Human MRAP2 Protein, GST-tagged

**Cat. No.** MRAP2-5532H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MRAP2 full-length ORF ( AAH39855.1, 1 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | This gene encodes a protein that modulates melanocortin receptor signaling. The encoded protein has been shown to interact with all known melanocortin receptors and may regulate both receptor trafficking and activation in response to ligands. Mice lacking a functional copy of this gene exhibit severe obesity and a mutation in this gene may be associated with severe obesity in human patients. [provided by RefSeq, Oct 2016] |
| <b>Molecular Mass</b>   | 49.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MSAQRLLISNRTSQQSASNSDYTWEEYEEIGPVSFEGCLKAHKYSIVIGFWVGLAVFVIFMFFVLTLTKTGAPHQDNAESSEKRFMRMNSFVSDFGRLPEPDKVFSRQGNESRS LFHCYINEVERLDRAKACHQTTALDSDVQLQEAIRSSGQPEEELNRLMKFDIPNFVNTDQNYFGEDDLLISEPPIVLETKPLSQTSKDL                                                                                                                                                                                                                              |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                         |

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|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MRAP2 melanocortin 2 receptor accessory protein 2 [ Homo sapiens (human) ]                                                                    |
| <b>Official Symbol</b> | MRAP2                                                                                                                                         |
| <b>Synonyms</b>        | MRAP2; melanocortin 2 receptor accessory protein 2; C6orf117; bA51G5.2; melanocortin-2 receptor accessory protein 2; MC2R accessory protein 2 |
| <b>Gene ID</b>         | 112609                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_001346541                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_001333470                                                                                                                                  |
| <b>MIM</b>             | 615410                                                                                                                                        |
| <b>UniProt ID</b>      | Q96G30                                                                                                                                        |

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