

Recombinant Human OMP

Cat. No. OMP-26853TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 65-163 of Human Olfactory Marker Protein with N terminal proprietary tag; Predicted MWt 36.52.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	Olfactory marker protein is uniquely associated with the mature olfactory receptor neurons in many vertebrate species from fish to man. The OMP gene structure and protein sequence are highly conserved between mouse, rat and human. Results of the mouse knockout studies show that OMP-null mice are compromised in their ability to respond to odor stimuli, and that OMP represents a novel modulatory component of the odor detection/signal transduction cascade.
Molecular Weight	36.520kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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Sequences of amino acids	FERWNVLDKPGKVTITGTSQNWTPDLTNLMTRQLLDPTAIFWRKEDSDAIDWNEA DALEFGERLSDLAKIRKVMYFLVTFGEGVEPANLKASVVFNQL
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GENE INFORMATION

Gene Name	OMP olfactory marker protein [Homo sapiens]
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Official Symbol	OMP
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Synonyms	OMP; olfactory marker protein;
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Gene ID	4975
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mRNA Refseq	NM_006189
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Protein Refseq	NP_006180
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MIM	164340
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Uniprot ID	P47874
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Chromosome Location	11q14-q21
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Function	signal transducer activity;
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