

Recombinant Human OMP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OMP-4462H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OMP MS Standard C13 and N15-labeled recombinant protein (NP_006180) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 Mass	18.8 kDa
AA Sequence	MAEDRPQQPQLDMPLVLDQGLTRQMRLRVESLKQRGEKRQDGEKLLQPAESVYRL NFTQQQRLQFERWNVLDKPGKVTITGTSQNWTPDLTNLMTRQLLDPTAIFWRKED SDAIDWNEADALEFGERLSDLAKIRKVMYFLVTFGEGVEPANLKASVVFNQLSGPTR TRRLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name OMP olfactory marker protein [Homo sapiens (human)]

Official Symbol OMP

Synonyms OMP; olfactory marker protein; olfactory neuronal-specific protein;

Gene ID 4975

mRNA Refseq NM_006189

Protein Refseq NP_006180

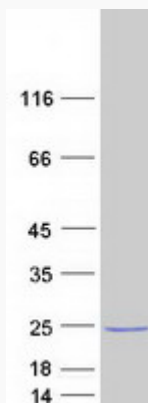
MIM 164340

UniProt ID P47874

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SDS-PAGE

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