

Recombinant Human OMP, His-tagged

Cat. No. OMP-7590H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human OMP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-163aa
Antigen Description	Olfactory marker protein, also known as OMP, is uniquely associated with the mature olfactory receptor neurons in many vertebrate species from fish to man. It is expressed in the cytoplasm of olfactory chemosensory neurons in the nasal neuroepithelium. OMP expression is a sign of mature vertebrate olfactory receptor neurons (ORNs). OMP may have a modulatory role in the odor detection/signal transduction cascade. In fetal olfactory epithelial cells, OMP is also a potent enhancer of mitosis, and it promotes an increase in uptake of tritiated thymidine in liver.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	21.3 kDa (186aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSM AEDRPQ QPQLDMPLVL DQGLTRQMRL RVESLKQRGE KRQDGEKLLQ PAESVYRLNF TQQQLQFER WNVVLDKPGK VTITGTSQNW TPDLTNLMTR QLLDPTAIFW RKEDSDAIDW NEADALEFG E

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RLSDLAKIRK VMYFLVTFGE GVEPANLKAS VVFNQL

Purity >95% as determined by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml

GENE INFORMATION

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

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](#)

Chromosome Location 11q14-q21

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Function

signal transducer activity;

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