

Olfactory Marker Protein Recombinant Protein | OMP recombinant protein

Recombinant Human Olfactory Marker Protein

CATALOG #
AAA39094

PRODUCT SYNONYMS

Olfactory Marker Protein; Recombinant Human Olfactory Marker Protein; OMP Human; Olfactory Marker Protein Human Recombinant; Olfactory neuronal-specific protein; Olfactory marker protein; OMP; OMP recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	OMP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS MAEDRPQQPQ LDMPLVDQG LTRQMRLRVE SLKQRGEKRQ DGEKLLQPAE SVYRLNFTQQ QRLQFERWNV VLDKPGKVTI TGTSQNWTPD LTNLMTRQLL DPTAIFWRKE DSDAIDWNEA DALEFGERLS DLAKIRKVMY FLVTFGEGVE PANLKASVVF NQL
Sequence Length	163
Source	E.Coli
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for OMP recombinant protein	Description: OMP Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 186 amino acids (1-163 a.a) and having a molecular mass of 21.3kDa. OMP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: Olfactory marker protein (OMP) which is expressed in the cytoplasm of olfactory chemosensory neurons in the nasal neuroepithelium, is associated in a unique way with the mature olfactory receptor neurons in numerous vertebrate species. OMP have a modulatory part in the odor detection/signal transduction cascade and its expression is a sign of mature vertebrate olfactory receptor neurons (ORNs). OMP is also a potent enhancer of mitosis in fetal olfactory epithelial cells and it promotes an increase in uptake of tritiated thymidine in liver.
Product Categories/Family for OMP recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453828
NCBI GeneID	4975
NCBI Accession #	NP_006180.1
NCBI GenBank Nucleotide #	NM_006189.1
UniProt Accession #	P47874; Q562G2
NCBI Official Full Name	olfactory marker protein

NCBI Official Synonym Full Names	olfactory marker protein
NCBI Official Symbol	OMP
NCBI Protein Information	olfactory marker protein; olfactory neuronal-specific protein
UniProt Protein Name	Olfactory marker protein
UniProt Gene Name	OMP
UniProt Entry Name	OMP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/omp-recombinant-protein/39094>