

Product information



OMP, 1-163aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2034

Full name: Olfactory marker protein

NCBI Accession No.: NP_006180

Synonyms: olfactory neuronal-specific protein

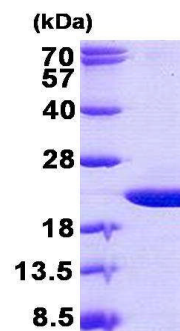
Description: Olfactory marker protein, also known as OMP, is uniquely associated with the mature olfactory receptor neurons in many vertebrate species from fish to man. It is expressed in the cytoplasm of olfactory chemosensory neurons in the nasal neuroepithelium. OMP expression is a sign of mature 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. Recombinant human OMP protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Molecular Weight: 21.3 kDa (186aa) confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by BCA assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMAEDRPQ QPQLDMPLVL DQGLTRQMRL RVESLKQRGE KRQDGEKLLQ PAESVYRLNF TQQRLQFER
WNVVLDPKPGK VTITGTSQNW TPDLTNLMTR QLLDPTAIFW RKEDSDAIDW NEADALEFGE RLSDLAKIRK VMYFLVTFGE GVEPANLKAS
VVFNQL

General references:

Buiakova O I., *et al.* (1996) *Proc Natl Acad Sci USA*. 93:9858-9863

Behrens M., *et al.* (2003) *J Neurochem*. 86: 1289-1296.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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