

Olfactory Marker Protein/OMP Protein, Human (His)

Cat. No.:	HY-P73736
Synonyms:	Olfactory marker protein; Olfactory neuronal-specific protein; OMP
Species:	Human
Source:	E. coli
Accession:	P47874 (M1-L163)
Gene ID:	4975
Molecular Weight:	Approximately 19 kDa

PROPERTIES

AA Sequence	<pre> MAEDRPQQPQ LDMP LVL DQG LTRQMRLRVE SLKQRGKRRQ DGEKLLQPAE SVYRLNFTQQ QRLQFERWNV VLDKPGKVTI TGTSQNWTPD LTNLMTRQLL DPTAIFWRKE DSDAIDWNEA DALEFGERLS DLAKIRKVMY FLVTFGEGVE PANLKASVVF NQL </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 300 mM NaCl, 5% trehalose, 5% mannitol and 0.01% Tween80, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The Olfactory Marker Protein (OMP) serves as a potential modulator within the olfactory signal-transduction cascade, playing a key role in fine-tuning olfactory signaling processes. In addition to its regulatory function, OMP interacts with BEX1 and BEX2, indicating a potential association with other proteins involved in cellular processes. This dual role highlights the multifaceted nature of OMP in influencing the intricacies of olfactory signal transduction, suggesting its involvement in the broader molecular network underlying olfactory function.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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