



# Recombinant Rat Olfactory marker protein (Omp)

<b>Product Code</b>	CSB-EP016335RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P08523
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	AEDGPQKQQ LDMPLVLDQD LTKQMRLRVE SLKQRGEKKQ DGEKLLRP AE SVYRLDFIQQ QKLQFDHWNV VLDKPGKVTI TGTSQNWTPD LTNLMTRQLL DPAAIFWRKE DSDAMDWNEA DALEFGERLS DLAKIRKVMY FLITFGEGVE PANLKASVVF NQL
<b>Source</b>	E.coli
<b>Target Names</b>	Omp
<b>Protein Names</b>	Recommended name: Olfactory marker protein Alternative name(s): Olfactory neuronal-specific protein
<b>Expression Region</b>	2-163
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.