



# Recombinant strain ATCC VR-1363 / YH omp Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07686

**Protein Name:** Olfactory Marker Protein (omp)

**Aliases:** olfactory marker protein; olfactory neuronal-specific protein

**UniProt ID:** Q52764

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q52764/entry>

**Species Source:** Rickettsia japonica (strain ATCC VR-1363 / YH)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (20-159aa)

**Molecular Weight:** 30.5kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged

## 2. Amino Acid Sequence (20-159aa)

CNGPGGMNKQGTGTLGGAGGALLGSQFGKGTGQLVGVGVGALLGAVLGGQIGA  
GMDEQDRRLAELTSQRALETAPSGSNVEWRNPDNGNYGYVTPNKTYRNSTGQYC  
REYTQTVVIGGKQQKAYGNACRQPDGQWQVVN

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the

## 5. Product Description

This product is a recombinant strain ATCC VR-1363 / YH omp full length of mature protein protein (20-159aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. omp, also known as olfactory marker protein or olfactory neuronal-specific protein, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.