

# Recombinant human Olfactomedin-4/OLFM4 Protein

Catalog No.: RP01761 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
human	10562	Q6UX06

### Tags

C-6His

### Synonyms

GC1; OLM4; OlfD; GW112; hGC-1; hOLfD; UNQ362; bA209J19.1

## Product Information

Source	Purification
HEK293 cells	

Calculated MW	Observed MW
56.02 kDa	70-75 kDa

### Endotoxin

<1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Olfactomedin-4 (OLFM4), previously called GC-1 (G-CSF stimulated clone-1) is an secreted glycoprotein that is a member of the Olfactomedin/Noelin family of protein . It is expressed in epithelial cells of the prostate, small intestine, colon, bone marrow, and in several cancers , and is up-regulated in epithelial cells during inflammation . Mature OLFM4 is a 490 amino acid (aa) protein that is secreted mainly in a polymeric form which is held together by disulfide bonds and carbohydrate interactions . Mature human OLFM4 shares 71% aa sequence identity with mature mouse and rat OLFM4. Olfactomedin-4 (OLFM4) interacts with cell surface lectins and cadherins, which helps cell adhesion and cell spreading of NIH3T3 and 293T/17 cells . OLFM4 plays a critical role in regulating progression of prostate cancer and is also novel biomarker for triple-negative breast cancer .

## Basic Information

### Description

Recombinant human Olfactomedin-4/OLFM4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp21-Gln510) of human Olfactomedin-4/OLFM4 (Accession #NP\_006409.3) fused with a 6×His tag at the C-terminus.

### Bio-Activity

### Storage

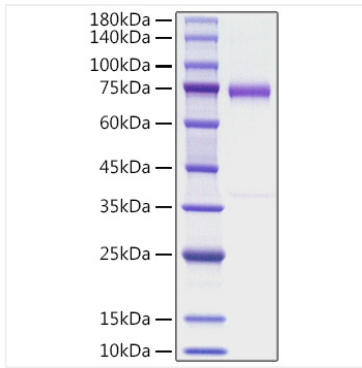
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant human Olfactomedin-4/OLFM4 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 65-75 kDa.