

# 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; hOLF4;  
UNQ362; bA209J19.1

## 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 .

## Product Information

**Source**            **Purification**  
HEK293 cells

**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 freeze-thaw cycles.

## 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 the lyophilized protein at -20°C to -80°C for 12 months.<br/>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.

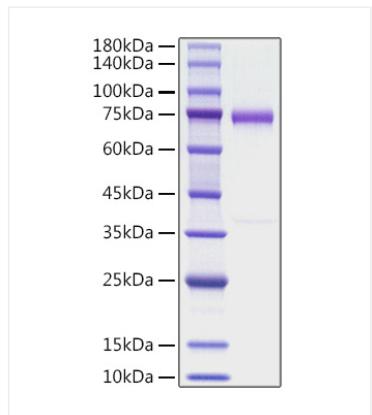
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant human Olfactomedin-4/OLFM4  
Protein was determined by SDS-PAGE with  
Coomassie Blue, showing a band at 22 kDa.