

OLFM4 recombinant protein

Recombinant Human OLFM4 protein

CATALOG #
AAA119929

HOST
E Coli

PRODUCT SYNONYMS

OLFM4; Recombinant Human OLFM4 protein; Olfactomedin-4; OLM4; Antiapoptotic protein GW112; G-CSF-stimulated clone 1 protein; hGC-1; hOLF4; OLFM4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized from PBS pH 7.4, 0.2% NLS, 5% Trehalose, 5% Mannose, 1mM EDTA.
Species	Homo sapiens (Human)
Protein Construction	A DNA sequence encoding the human OLFM4 (Ile407-Gln510) was fused with His tag
Reconstitution	Reconstitute in sterile water for a stock solution.
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at -20 to -80°C for twelve months from the date of receipt.

ADDITIONAL INFORMATION

Related Product Information for OLFM4 recombinant protein	Olfactomedin-4, also known as G-CSF-stimulated clone 1 protein, Antiapoptotic protein GW112, and OLFM4, is a secreted protein which contains one olfactomedin-like domain. The OLFM4 gene was recently reported to inhibit various apoptotic pathways and promote proliferation of cancer cells, suggesting that OLFM4 might serve as a test marker for human cancers. Thus, OLFM4 mRNA might be a useful tool to support the identification of cancer, irrespective of the clinical stages. It is overexpressed in a number of human tumor types, especially in those of the digestive system. GW112 is associated with GRIM-19, a protein known to be involved in regulating cellular apoptosis. Functionally, GW112 could significantly attenuate the ability of GRIM19 to mediate retinoic acid-IFN-beta-mediated cellular apoptosis and apoptosis-related gene expression. In addition, GW112 demonstrated strong antiapoptotic effects in tumor cells treated with other stress exposures such as hydrogen peroxide. Finally, forced overexpression of GW112 in murine prostate tumor cells led to more rapid tumor formation in a syngeneic host. OLFM4 is an important regulator of cell death that plays important roles in tumor cell survival and tumor growth. As a candidate gene for cancer-specific expression. The serum olfactomedin 4 (OLFM4) is a useful marker for Gastric cancer (GC) and its measurement alone or in combination with Reg IV has utility in the early detection of GC. GW112 has an antiapoptotic property against the cytotoxic agents-induced apoptosis. It suggested that GW112 could be an important mediator in NF kappaB-dependent tumorigenesis of digestive tract tissues.
Product Categories/Family for OLFM4 recombinant protein	Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	32313593
NCBI GeneID	10562
NCBI Accession #	NP_006409.3
NCBI GenBank Nucleotide #	NM_006418.4

UniProt Accession #	Q6UX06 ; O95362 ; Q5VWG0 ; Q86T22
Molecular Weight	Predicted Molecular Mass: 14.04 kDa
NCBI Official Full Name	olfactomedin-4
NCBI Official Synonym Full Names	olfactomedin 4
NCBI Official Symbol	OLFM4
NCBI Official Synonym Symbols	GC1; OLM4; OlfD; GW112; hGC-1; hOLfD; UNQ362; bA209J19.1
NCBI Protein Information	olfactomedin-4; antiapoptotic protein GW112; G-CSF-stimulated clone 1 protein
UniProt Protein Name	Olfactomedin-4
UniProt Gene Name	OLFM4
UniProt Synonym Gene Names	GW112; OLM4; hGC-1
UniProt Entry Name	OLFM4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/olfm4-recombinant-protein-e-coli/119929>