

Olfactomedin-4 Recombinant Protein | OLFM4 recombinant protein

Recombinant Human Olfactomedin-4 Protein

CATALOG #
AAA174590

HOST
Human Cells

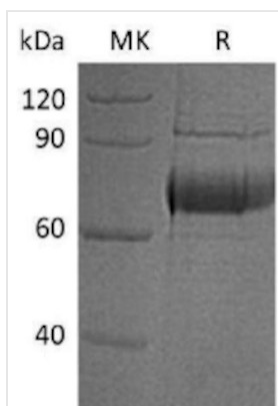
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>80% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Sequence	Asp21-Gln510
Sequence Length	510
Species	Human
Endotoxin	<1.0 EU per µg as determined by LAL method.
Tag	C-6His
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized protein should be stored at < -20°C. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for OLFM4 recombinant protein	Background: Olfactomedin-4/OLFM4 is a secreted protein which contains one olfactomedin-like domain. OLFM4 is expressed during myeloid lineage development,it strongly expressed in the prostate,small intestine,colon and moderately expressed in the bone marrow and stomach. OLFM4 is an antiapoptotic factor that promotes tumor growth. It expressed at high levels in stomach cancer and colon cancer tissues. it promotes proliferation of pancreatic cancer cells by favoring the transition from the S to G2/M phase. In myeloid leukemic cell lines, OLFM4 inhibits cell growth and induces cell differentiation and apoptosis. Through interaction with cell surface lectins and cadherin, OLFM4 facilitates cell adhesion. It may play a role in the inhibition of EIF4EBP1 phosphorylation/deactivation. Induction of OLFM4 in cancer cells was reported to have a novel antiapoptotic action via binding to the potent apoptosis inducer GRIM-19.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32313593
NCBI GeneID	10562
NCBI Accession #	NP_006409.3
NCBI GenBank Nucleotide #	NM_006418.5
UniProt Accession #	Q6UX06; O95362; Q5VWG0; Q86T22
Molecular Weight	Molecular Mass: 56.9kDa Actual Protein Molecular Mass: 60-90kDa
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
UniProt Protein Name	Olfactomedin-4
UniProt Gene Name	OLFM4
UniProt Synonym Gene Names	GW112; OLM4; hGC-1

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.