

Active Recombinant Mouse Osm Protein, His-tagged

Cat. No. Osm-841M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mature form of mouse OSM (P53347) (Met 1-Arg 206) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-206 a.a.
Predicted N Terminal	Asn 25
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells. The ED50 for this effect is typically 50-200 ng/mL. 2. Measured in a cell proliferation assay using NIH3T3 cells. The ED50 for this effect is typically 0.8-4 ng/mL
Molecular Mass	The secreted recombinant mouse OSM comprises 193 amino acids and has a calculated molecular mass of 22 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 35-40 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Osm oncostatin M [<i>Mus musculus</i>]
Official Symbol	Osm
Synonyms	OSM; oncostatin M; oncostatin-M; OncoM;
Gene ID	18413
mRNA Refseq	NM_001013365
Protein Refseq	NP_001013383
MIM	
UniProt ID	
Pathway	Adipogenesis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathwa

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Function

cytokine activity; cytokine activity; growth factor activity; oncostatin-M receptor binding;

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