

Active Recombinant Human OSM protein, His-tagged

Cat. No. OSM-6998H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human OSM protein(P13725) (Met 1-Arg 221) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-221 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized human OSM-His at 10 µg/ml (100 µl/well) can bind biotinylated human LIFR-His with a linear range of 0.031-0.5 µg/ml. 2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.5-2.5 ng/ml.
Molecular Mass	The recombinant human OSM consists of 207 amino acids and has a predicted molecular mass of 23.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhOSM is approximately 32-35 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities 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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

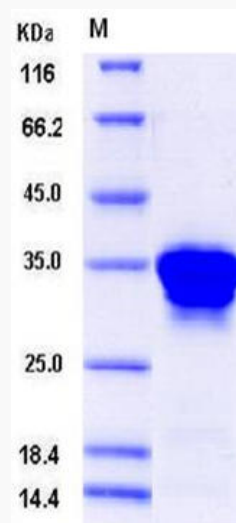
Gene Name	OSM oncostatin M [Homo sapiens]
Official Symbol	OSM
Synonyms	OSM; oncostatin M; oncostatin-M; MGC20461;
Gene ID	5008
mRNA Refseq	NM_020530
Protein Refseq	NP_065391
MIM	165095
UniProt ID	P13725

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SDS-PAGE



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