

## Active Recombinant Human OSM protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human OSM protein(P13725) (Met 1-Arg 221) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-221 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	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**

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

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