

Recombinant Human OSM, His-tagged

Cat. No. OSM-206H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human OSM protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (26-234aa).
Species	Human
Source	E.coli
Description	OSM, also known as Oncostatin M, is a pleiotropic cytokine that belongs to the interleukin 6 group of cytokines. Of these cytokines it most closely resembles leukemia inhibitory factor (LIF) in both structure and function. However, it is as yet poorly defined and is proving important in liver development, haematopoiesis, inflammation and possibly CNS development. It is also associated with bone formation and destruction. OSM signals through cell surface receptors that contain the protein gp130. The type I receptor is composed of gp130 and LIFR, the type II receptor is composed of gp130 and OSMR.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT
Molecular Weight	25.9 kDa (230aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences Of Amino	MGSSHHHHHH SSGLVPRGSH MAAIGSCSKE YRVLLGQLQK QTDLMQDTSR

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Acids

LLDPYIRIQG LDVPKLREHC RERPGAFPSE ETLRGLGRRG FLQTLNATLG
 CVLHRLADLE QRLPKAQDLE RSGLNIEDLE KLQMARPNIL GLRNNIYCMA
 QLLDNSDTAE PTKAGRGASQ PPTPTPASDA FQRKLEGCRF LHGYHRFMHS
 VGRVFSKWGE SPNRSRRHSP HQALRKGVRR.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

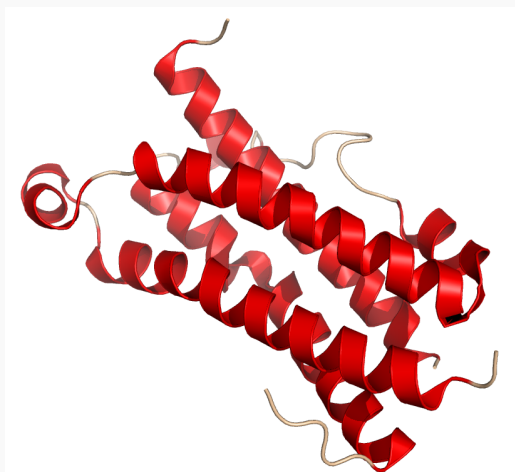
Gene Name	OSM oncostatin M [Homo sapiens]
Official Symbol	OSM
Synonyms	OSM; oncostatin M; MGC20461; MGC20461
Gene ID	5008
mRNA Refseq	NM_020530
Protein Refseq	NP_065391
MIM	165095
UniProt ID	P13725
Chromosome Location	22q12.2
Function	cytokine activity; growth factor activity; oncostatin-M receptor binding

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