

Recombinant Rat Osm Protein, His-tagged

Cat. No. Osm-1886R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Osm Protein (Lys26-Pro116) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Lys26-Pro116
Description	Predicted to enable cytokine activity; growth factor activity; and oncostatin-M receptor binding activity. Predicted to be involved in several processes, including oncostatin-M-mediated signaling pathway; positive regulation of intracellular signal transduction; and positive regulation of macromolecule metabolic process. Predicted to act upstream of or within several processes, including positive regulation of protein phosphorylation; positive regulation of signal transduction; and tyrosine phosphorylation of STAT protein. Predicted to be located in extracellular space. Orthologous to human OSM (oncostatin M).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40 kDa Accurate Molecular Mass: 40 kDa
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Osm oncostatin M [Rattus norvegicus (Norway rat)]
Official Symbol	Osm
Synonyms	OSM; oncostatin M; oncostatin-M
Gene ID	289747
mRNA Refseq	NM_001006961
Protein Refseq	NP_001006962
UniProt ID	Q65Z15

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