

Bioactive

OSM (Human) Recombinant Protein

Catalog # P8996 Size 2 x 10 ug

Specification

Product Description	Human OSM (P13725) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLDPYIRIQGLDVPKLREHCRERPGAFPSEETLRGLG RRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMARPNILGLRNNIYCAQLL DNSDTAEPTKAGRGASQPPTPTPASDAFQRKLEGCRFLHGYHRFMHSVGRVFSKWGESPNRS R.
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	22
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 97% by HPLC and SDS PAGE
Activity	The ED ₅₀ as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is < 0.2 ng/mL, corresponding to a specific activity of > 5.0x10 ⁶ units/mg.
Storage Buffer	1xPBS pH-7.4.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — OSM

Entrez GeneID	5008
Protein Accession#	P13725
Gene Name	OSM
Gene Alias	MGC20461
Gene Description	oncostatin M
Omim ID	165095
Gene Ontology	Hyperlink
Gene Summary	Oncostatin M is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. This gene encodes a growth regulator which inhibits the proliferation of a number of tumor cell lines. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. [provided by RefSeq]
Other Designations	-

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)