Bioactive

OSM (Human) Recombinant Protein

Catalog # P8996 Size 2 x 10 ug

Specification

Product Description	Human OSM (P13725) recombinant protein expressed in *Escherichia coli*.
Sequence	AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLLDPYIRIQGLDVPKLREHCRERPGAFPSEETLRGLG RRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMARPNILGLRNNIYCMAQLL DNSDTAEPTKAGRGASQPPTPTPASDAFQRKLEGCRFLHGYHRFMHSVGRVFSKWGESPNRS R.
Host	Escherichia coli
Theoretical MW (kDa)	22
Form	Lyophilized
Preparation Method	*Escherichia coli* 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 i s < 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

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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

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