Bioactive

OSM (Human) Recombinant Protein

Catalog # P8995 Size 2 x 10 ug

Specification

Product Description	Human OSM (P13725) recombinant protein expressed in *Escherichia coli*.
Sequence	AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLLDPYIRIQGLDVPKLREHCRERPGAFPSEETLRGLG RRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMARPNILGLRNNIYCMAQLL DNSDTAEPTKAGRGASQPPTPTPASDAFQRKLEGCRFLHGYHRFMHSVGRVFKWGESPNRSR RHSPHQALRKGVRR.
Host	Escherichia coli
Theoretical MW (kDa)	23.9
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 97% by HPLC and SDS PAGE
Activity	The ED_{50} as determined by the dose-dependant stimulation of Human TF-1 cells is < 2 ng/mL, corre sponding to a Specific Activity of 500,000 IU/mg.
Storage Buffer	1x PBS pH-7.4.
Storage Instruction	Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Applications

- Functional Study
- SDS-PAGE

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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

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