Bioactive

OSM (Human) Recombinant Protein

Catalog # P8994 Size 2 x 10 ug

Specification

Product Description	Human OSM (P13725) recombinant protein expressed in *Escherichia coli*.
Sequence	AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLLDPYIRIQGLDVPKLREHCRERPGAFPSEETLRGLG RRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMARPNILGLRNNIYCMAQLL DNSDTAEPTKAGRGASQPPTPTPASDAFQRKLEGCRFLHGYHRFMHSVGRVFSKWGESPNRS RRHSPHQALRKGVRRTRPSRKGKRLMTRGQLPR.
Host	Escherichia coli
Theoretical MW (kDa)	26
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95% 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	PBS 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.