OSM (Human) Recombinant Protein

Catalog # P8997 Size 20 ug

Specification

Product Description	Human OSM (P13725, 26 a.a. - 234 a.a.) partial-length recombinant protein with His tag at N-Termin us expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMAAIGSCSKEYRVLLGQLQKQTDLMQDTSRLLDPYIRIQGLDVPK LREHCRERPGAFPSEETLRGLGRRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLE KLQMARPNILGLRNNIYCMAQLLDNSDTAEPTKAGRGASQPPTPTPASDAFQRKLEGCRFLHGYH RFMHSVGRVFSKWGESPNRSRRHSPHQALRKGVRR.
Host	Escherichia coli
Theoretical MW (kDa)	25.9
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS PAGE
Storage Buffer	20mM Tris-HCl, pH-8, 1mM DTT and 20% Glycerol.
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

- SDS-PAGE

Gene Info — OSM

Entrez GeneID	5008
Protein Accession#	P13725

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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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