

Bioactive

OSM (Human) Recombinant Protein

Catalog # P7375

Size 10 ug

Specification

Product Description	Human OSM (P13725, 26 a.a. - 234 a.a) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MAAIGSCSKEYRVLLGQLQKQTDLMQDTSRLDPYIRIQGLDVPKLREHCRERPGAFPSEETLRGL GRRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMARPNILGLRNNIYCMAQL LDNSDTAEPTKAGRGASQPPTPTPASDAFQRKLEGCRFLHGYHRFMHSVGRVFSKWGESPNRS RRHSPHQALRKGVRR
Host	Escherichia coli
Theoretical MW (kDa)	23.8
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ug of protein by gel clotting method
Activity	ED ₅₀ < 10.0 ng/mL, measured by a cell proliferation assay using TF-1 cells, corresponding to a specific activity of > 1.0 × 10 ⁵ units/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH ₂ O up to 100 ug/mL.
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

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](#)