

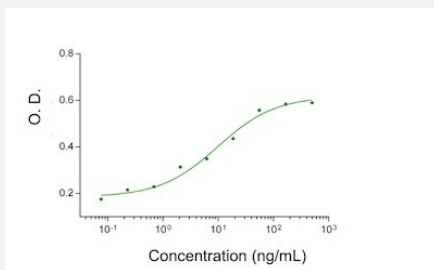
Bioactive

OSM (Human) Recombinant Protein

Catalog # P7340

Size 10 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description

Human OSM (P13725, 26 a.a. - 252 a.a) partial recombinant protein expressed in *Escherichia coli*.

Sequence

MAAIGSCSKEYRVLLGQLQKQTDLMQDTSRLDPYIRIQGLDVPKLREHCRERPGAFPSEETLRGL
GRRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMARPNILGLRNNIYCMAQL
LDNSDTAEPTKAGRGASQPPTPTASDAFQRKLEGCRFLHGYHRFMHSGRVFSKWGESPNRS
RRHSPHQALRKGVRRTRPSRKGKRLMTRGQLPR

Host

Escherichia coli

Theoretical MW (kDa)

25.9

Form

Lyophilized

Preparation Method

Escherichia coli expression system

Purity

> 95% as analyzed by SDS-PAGE.

Endotoxin Level

< 0.2 EU/ug of protein by gel clotting method

Activity

ED₅₀ < 10.0 ng/mL, measured by a cell proliferation assay using TF-1 cells, corresponding to a specific activity of > 1.0 × 10⁵ 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 ddH₂O 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.

Note

Result of activity analysis
Result of activity analysis

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

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Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)