

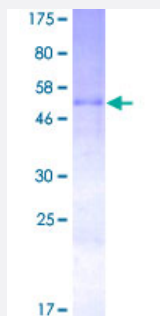
Full-Length

OSM (Human) Recombinant Protein (P01)

Catalog # H00005008-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human OSM full-length ORF (NP_065391.1, 1 a.a. - 252 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGVLLTQRTLTLVLALLFPSMASMAAIGSCSKEYRVLLGQLQKQTDLMQDTSRLDPYIRIQGLD
VPKLREHCRERPGAFPSEETLRGLGRRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIE
DLEKLQMARPNILGLRNNIYCAQLLDNSDTAEPTKAGRGASQPPTPTPASDAFQRKLEGCRFLH
GYHRFMHSVGRVFSKWGESPNRSRRHSPHQALRKGVRRTRPSRKGKRLMTRGQLPR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — OSM

Entrez GeneID [5008](#)

GeneBank Accession# [NM_020530.3](#)

Protein Accession# [NP_065391.1](#)

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](#)