

Product datasheet for **TP304277M**

Oncostatin M (OSM) (NM_020530) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human oncostatin M (OSM), 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC204277 protein sequence
Red=Cloning site **Green**=Tags(s)

MGVLLTQRTL LSLVLALLFPSMASMAAIGSCSKEYRVLLGQLQKQTDLMQDTSRLDPYIRIQGLDVPKL
REHCRERPGAFPSEETLRGLGRRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMAR
PNILGLRNNIYCMAQLLDNSDTAEPTKAGRGASQPPTPTASDAFQRKLEGCRFLHGYHRFMHSGRVFS
KWGESPNRSRRHSPHQALRKGVRRTRPSRKGKRLMTRGQLPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 25.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_065391](#)

Locus ID: 5008

UniProt ID: [P13725](#)



[View online »](#)

RefSeq Size: 1869

Cytogenetics: 22q12.2

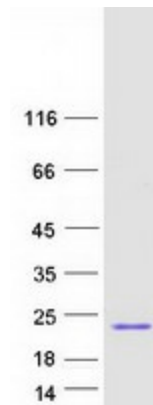
RefSeq ORF: 756

Summary: This gene encodes a member of the leukemia inhibitory factor/oncostatin-M (LIF/OSM) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein is a secreted cytokine and growth regulator that inhibits the proliferation of a number of tumor cell lines. This protein also regulates the production of other cytokines, including interleukin 6, granulocyte-colony stimulating factor and granulocyte-macrophage colony stimulating factor in endothelial cells. This gene and the related gene, leukemia inhibitory factor, also present on chromosome 22, may have resulted from the duplication of a common ancestral gene. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - DSL/Notch pathway, Stem cell relevant signaling - JAK/STAT signaling pathway

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images:



Coomassie blue staining of purified OSM protein (Cat# [TP304277]). The protein was produced from HEK293T cells transfected with OSM cDNA clone (Cat# [RC204277]) using MegaTran 2.0 (Cat# [TT210002]).