

Recombinant Human OSM Protein

CAT. NO: R00804

Size: 100µg

Description

Oncostatin-M(OSM) is 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.

Amino Acid Sequence:

AAIGS CSKEY RVLLG QLQKQ TDLMQ
DTSRL LDPYI RIQGL DVPKL REHCR
ERPGA FPSEE TLRGL GRRGF LQTLN
ATLGC VLHRL ADLEQ RLPKA QDLER
SGLNI EDLEK LQMAR PNILG LRNNI
YCMAQ LLDNS DTAEP TKAGR GASQP
PTPTP ASDAF QRKLE GCRFL HGYHR
FMHSV GRVFS KWGES PNRSR

Source: E. coli A26-R221

Species: human

Purity: >95%, by SDS-PAGE quantitative densitometry by Coomassie® Blue Staining.

Molecular Weight: 22KD

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstitute in ddH₂O at 100 µg/mL.

Endotoxin: Less than 1 EU/µg of OSM as determined by LAL method.

Storage:

Lyophilized recombinant human Oncostatin-M remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, OSM remains stable up to 2 weeks at 4°C or up to 3 months at -20°C.