

Product Datasheet

Recombinant Human OSM Protein (orb527078)

Catalog Number	orb527078
Category	Proteins
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.
Target	Oncostatin-M
Reactivity	Human
Form/Appearance	Lyophilized
Buffer/Preservatives	Reconstitute in ddH ₂ O at 100 µg/mL.
Purification	>95%, by SDS-PAGE quantitative densitometry by Coomassie? Blue Staining.
Protein Sequence	AAIGS CSKEY RVLLG QLQKQ TDLMQ DTSRL LDPYI RIQGL DVPKL REHCR ERPGA FPSEE TLRGL GRRGF LQTLN ATLCG VLHRL ADLEQ RLPKA QDLER SGLNI EDLEK LQMAR PNILG LRNNI YCMAQ LLDNS DTAEP TKAGR GASQP PTPTP ASDAF QRKLE GCRFL HGYHR FMHSV GRVFS KWGES PNRSR
UniProt ID	P13725
MW	22KD

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Endotoxins	Less than 1 EU/μg of OSM as determined by LAL method.
Source	E. coli A26-R221
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.
Note	For research use only

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