PRODUCT INFORMATION

Target	OSM
Synonyms	ONCM
Description	Recombinant human OSM Protein with C-terminal 10×His tag
Delivery	In Stock
Uniprot ID	P13725
Expression Host	HEK293
Tag	C-10×His tag
Molecular Characterization	OSM(Ala26-Arg221) 10×His tag
Molecular Weight	The protein has a predicted molecular mass of 23.5 kDa after removal of the signal peptide. The apparent molecular mass of OSM-His is approximately 25-35 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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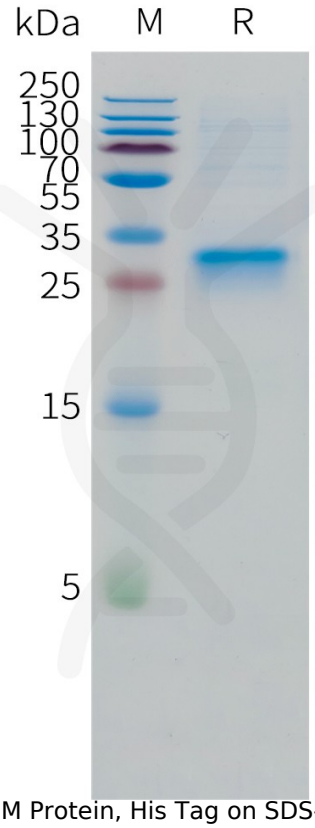


Figure 1. Human OSM Protein, His Tag on SDS-PAGE under reducing condition.

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