

Human OSMR beta Protein, Fc Tag, low endotoxin (MALS verified)

Catalog # OSR-H5253



Synonyms

Oncostatin-M-specific receptor subunit beta, Interleukin-31 receptor subunit beta, IL-31 receptor subunit beta, IL-31R subunit beta, IL-31R-beta, IL-31RB, OSMR, OSMRB

Source

Human OSMR Protein, Fc Tag (OSR-H5253) is expressed from human 293 cells (HEK293). It contains AA Glu 28 - Met 740 (Accession # [Q99650-1](#)).

Predicted N-terminus: Glu 28

Molecular Characterization

OSMR(Glu 28 - Met 740) Q99650-1	Fc(Pro 100 - Lys 330) P01857-1
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 107.6 kDa. The protein migrates as 130-170 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.01 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

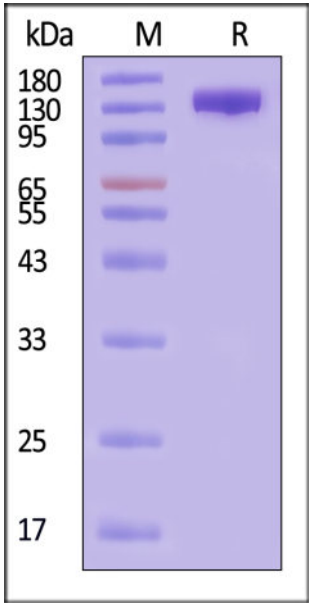
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

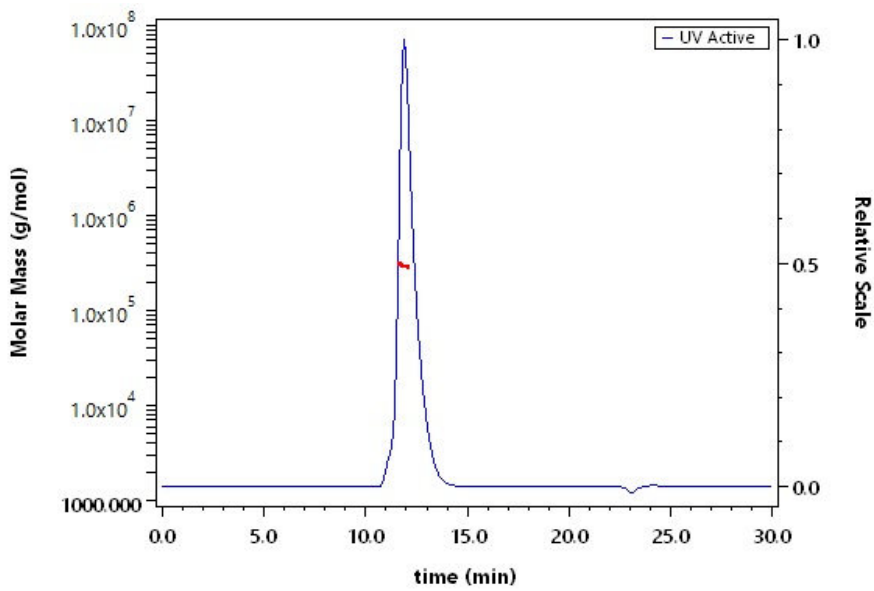
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



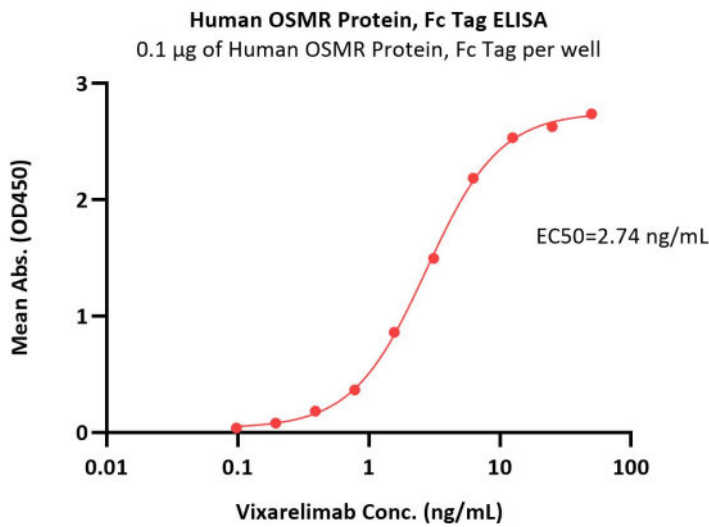
Human OSMR Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human OSMR Protein, Fc Tag (Cat. No. OSR-H5253) is more than 95% and the molecular weight of this protein is around 260-310 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human OSMR Protein, Fc Tag (Cat. No. OSR-H5253) at 1 µg/mL (100 µL/well) can bind Vixarelimab with a linear range of 0.1-6 ng/mL (QC tested).

Background

Oncostatin-M-specific receptor subunit beta (OSMR β), also known as Interleukin-31 receptor subunit beta (IL-31RB), is the beta subunit of the type II OSM receptor, which is a heterodimer of gp130 and OSMR β . OSMR β associates with the low-affinity OSM·gp130 complex to form a high-affinity heterodimeric receptor that is capable of transducing OSM-specific signaling events.



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