

Biotinylated Human OSMR beta Protein, His,Avitag™ (MALS verified)

Catalog # OSR-H82E3



Synonym

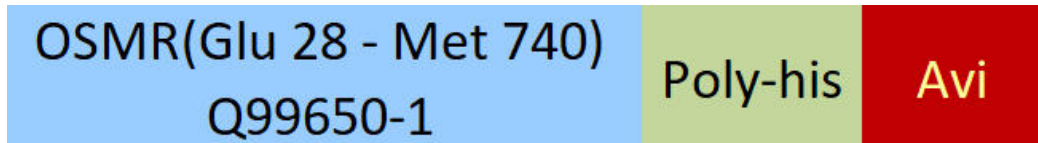
Oncostatin-M-specific receptor subunit beta, Interleukin-31 receptor subunit beta, IL-31 receptor subunit beta, IL-31R subunit beta, IL-31R-beta, IL-31RB, OSMR, OSMRB

Source

Biotinylated Human OSMR beta Protein, His,Avitag (OSR-H82E3) is expressed from human 293 cells (HEK293). It contains AA Glu 28 - Met 740 (Accession # [Q99650-1](#)).

Predicted N-terminus: Glu 28

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 84.7 kDa. The protein migrates as 130-180 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

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.

Storage

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

Please avoid repeated freeze-thaw cycles.

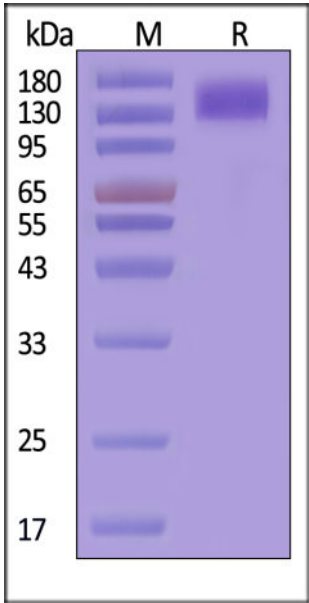
This product is stable after storage at:

- -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

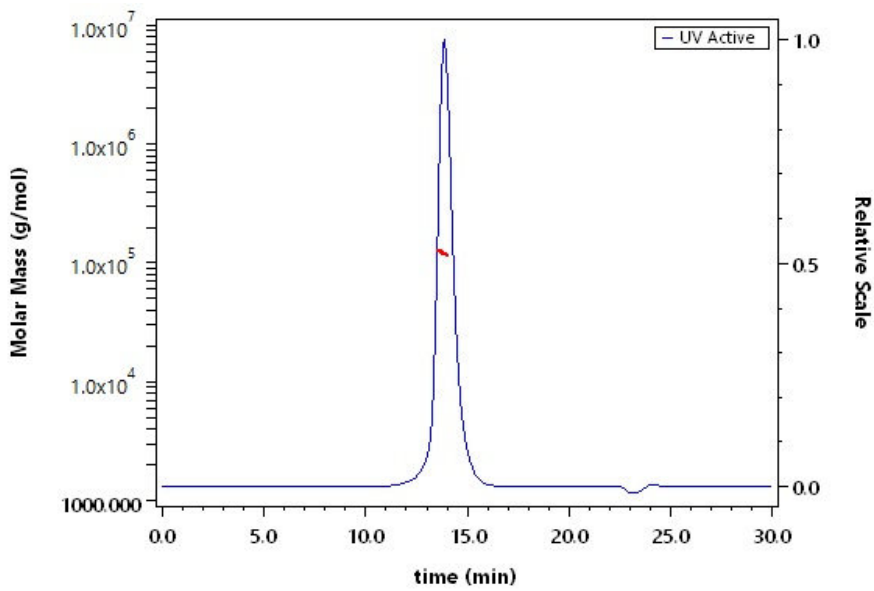
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



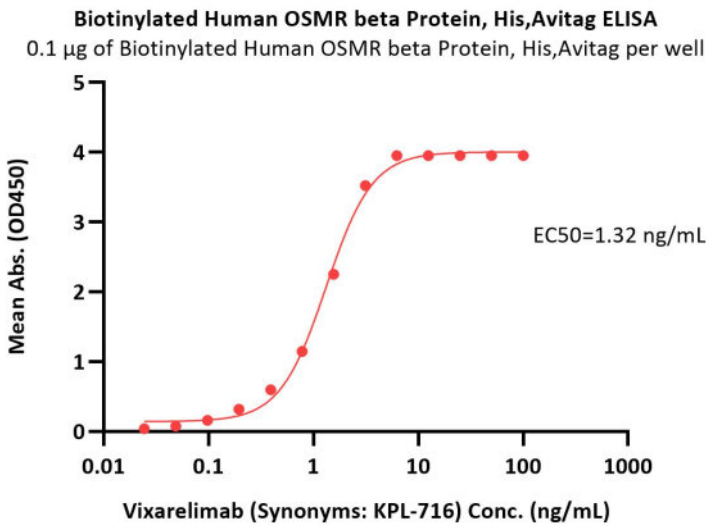
Biotinylated Human OSMR beta Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Biotinylated Human OSMR beta Protein, His,Avitag (Cat. No. OSR-H82E3) is more than 95% and the molecular weight of this protein is around 105-140 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Biotinylated Human OSMR beta Protein, His,Avitag (Cat. No. OSR-H82E3) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Vixarelimab (Synonyms: KPL-716) with a linear range of 0.02-2 ng/mL (QC tested).

Background

Oncostatin-M-specific receptor subunit beta (OSMRβ), 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 OSMRβ. OSMRβ 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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