Human OSMR beta Protein, His Tag (MALS verified)

Catalog # OSR-H52H9

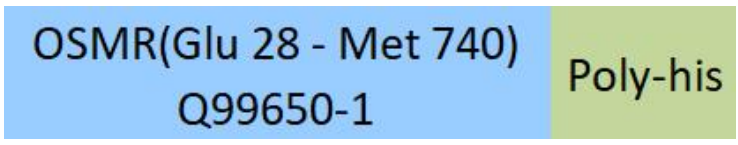
Synonym

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

Human OSMR, His Tag(OSR-H52H9) 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

The protein has a calculated MW of 83.0 kDa. The protein migrates as 105-125 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

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

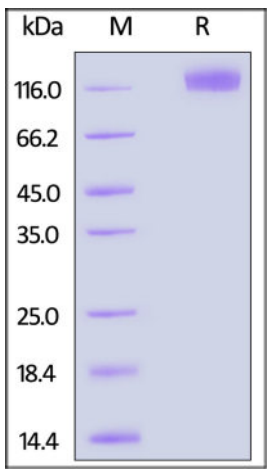
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

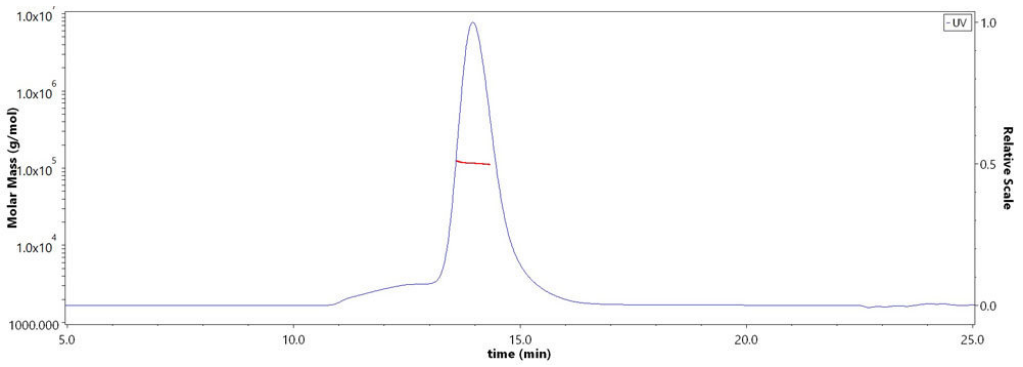
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human OSMR, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS



The purity of Human OSMR, His Tag (Cat. No. OSR-H52H9) is more than 85% and the molecular weight of this protein is around 105-125 kDa verified by SEC-MALS.
Report

Background

Oncostatin-M-specific receptor subunit beta(OSMRB) alos know as Interleukin-31 receptor subunit beta (IL-31RB), is an alternative subunit (OSMRβ) for an OSM receptor complex (a heterodimer of gp130 and OSMRβ), that is activated by OSM but not by LIF. OSMR beta associates with the low affinity OSM·gp130 complex to form a high affinity heterodimeric receptor that is capable of transducing OSM-specific signaling events.

Clinical and Translational Updates

Human OSMR beta Protein, His Tag (MALS verified)

Catalog # OSR-H52H9

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.