



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

Canis lupus OSMR beta Protein, His Tag (OSR-C52H8) is expressed from human 293 cells (HEK293). It contains AA Glu 28 - Leu 737 (Accession # [XP_038519803.1](#)).

Predicted N-terminus: Glu 28

Molecular Characterization

OSMR(Glu 28 - Leu 737)
XP_038519803.1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 82.8 kDa. The protein migrates as 95-116 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% 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

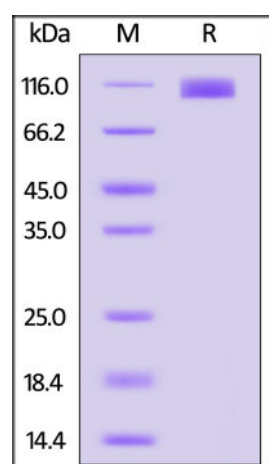
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

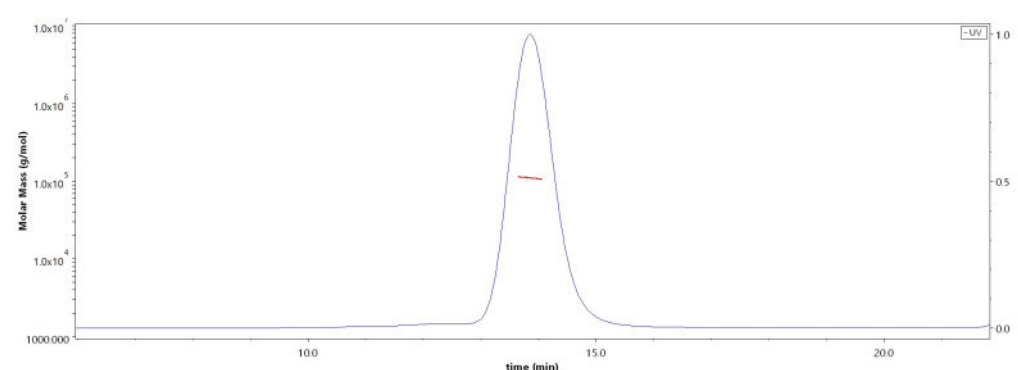
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Canis lupus OSMR beta Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-MALS



The purity of Canis lupus OSMR beta Protein, His Tag (Cat. No. OSR-C52H8) is more than 90% 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) also known as Interleukin-31 receptor subunit beta (IL-31RB), is an alternative subunit (OSMR β) for an OSM receptor complex (a heterodimer of gp130 and OSMR β), that is activated by OSM but not by LIF. OSMR beta associates with the low affinity OSM-gp130 complex

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Canis lupus OSMR beta Protein, His Tag (MALS verified)

Catalog # OSR-C52H8



to form a high affinity heterodimeric receptor that is capable of transducing OSM-specific signaling events.

Clinical and Translational Updates

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