



### 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

Cynomolgus OSMR, His Tag(OSR-C52H9) is expressed from human 293 cells (HEK293). It contains AA Glu 28 - Ser 737 (Accession # [A0A2K5UFW5-1](#)). Predicted N-terminus: Glu 28

### Molecular Characterization

OSMR(Glu 28 - Ser 737)  
A0A2K5UFW5-1 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 105-120 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

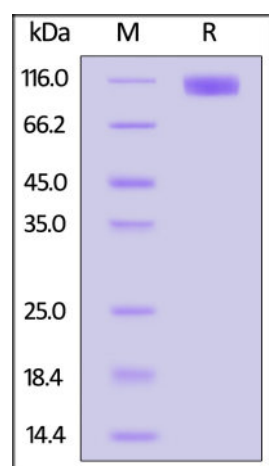
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

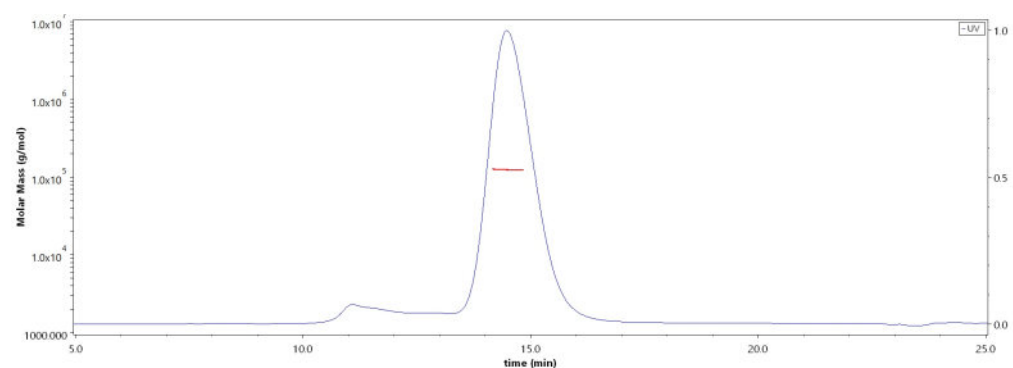
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE



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

### SEC-MALS



The purity of Cynomolgus OSMR, His Tag (Cat. No. OSR-C52H9) is more than 85% and the molecular weight of this protein is around 112-136 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 (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.

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