



Recombinant Protein Technical Manual

Recombinant Human OSMR/IL31RB Protein (aa 28-739, His Tag)

RPES0899

Product Data:

Product SKU: RPES0899

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q99650

Protein Information:

Molecular Mass: 82.0 kDa

AP Molecular Mass: 132 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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;PLCA1

Immunogen Information:

Sequence: Glu28-Ser739

Background:

Oncostatin-M-Specific Receptor Subunit β (OSMR β) is a 150 - 180 kDa member of the IL-6 receptor family. OSMR β associates with gp130 to form the type II OSM receptor, the receptor is responsive to OSM. Gp130 subunit is shared by other IL-6 family cytokine receptors, and OSMR β associates with gp130-like receptor (GPL) to form a receptor complex responsive to IL-31. The human OSMR β cDNA encodes a 979 amino acid (aa) precursor, the precursor includes a 27 aa signal sequence, a 712 aa extracellular domain (ECD), a 22 aa transmembrane segment, and a 218 aa cytoplasmic domain. The ECD contains one partial and one complete hematopoietin domain, an Ig-like domain, and three Fibronectin type-III domains.