

## 32-7449: Recombinant Human Oncostatin-M-Specific Receptor Subunit beta/OSMRB/IL-31RB (C-6His)

**Gene :** OSMR  
**Gene ID :** 9180  
**Uniprot ID :** Q99650

### Description

Source: Human Cells.

MW :82.03kD.

Recombinant Human OSM receptor beta is produced by our Mammalian expression system and the target gene encoding Glu28-Ser739 is expressed with a 6His tag at the C-terminus. Oncostatin-M-Specific Receptor Subunit beta (OSMR beta) is a 150 - 180 kDa member of the IL-6 receptor family. OSMR beta 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 beta associates with gp130-like receptor (GPL) to form a receptor complex responsive to IL-31. The human OSMR beta 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.

### Product Info

**Amount :** 10 µg / 50 µg

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

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** ERLPLTPVSLKVVSTNSTRQSLHLQWTVHNLPHYHQLKMFVFIQISRIETSNIWVGNYSTTVKWNQVLHWSWE  
SELPLECATHFVRIKSLVDDAKFPEPNFWSNWSSWEEVSVQDSTGQDILFVFPKDKLVEEGTNTVICYVSRNIQ  
NNVSCYLEGKQIHGEQLDPHVTAFLNLSVPPFIRNKGTNIYCEASQGNVSEGMKGIVLFVSKVLEEPKDFSCETE  
DFKTLHCTWDPGTDALGWKQPSQSYTLFESFSGEKKLCTHKNWCNWTQDSQETYNFTLIAENYLKRKRSV  
NILFNLTHRYYLMNPFVSVNFENVNATNAIMTWKVSIRNNFTYLCQIELHGEGKMMQYNVSIKVNGEYFLSELEP  
ATEYMARVRCADASHFWKWSEWSGQNFTTLEAAPSEAPDVWRIVSLEPGNHTVTLFWKPLSKLHANGKILFY  
NVVVENLDKPSSELHSIPAPANSTKLILDRCSYQICVIANNVSGASPASVIVISADPENKEVEEERAGTEGGFSL  
SWKQPQGDVIGYVVDWCDHTQDVLGDFQWKNVGPNTTSTVISTDAFRPGVRYDFRIYGLSTKRIACLEKKTG  
YSQELAPSDNPHVLVDLTLSHSFTLSWKDYSTESQPGFIQGYHVYLSKARQCHPRFEKAVLSDGSECCYKID  
NPEEKALIVDNLKPESFYEFFITPFTSAGEGPSATFTKVTTTPDEHSSVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.