

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



Catalog Number:PKSH032836

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

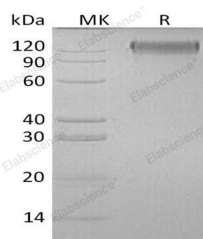
## Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Glu28-Ser739
<b>Accession</b>	Q99650
<b>Calculated Molecular Weight</b>	82.0 kDa
<b>Observed molecular weight</b>	132 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

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

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