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

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

Species Human

Expression Host HEK293 Cells
Sequence Glu28-Ser739
Accession Q99650
Calculated Molecular Weight 82.0 kDa
Observed molecular weight 132 kDa
Tag C-His

Properties

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

Endotoxin < 1.0 EU per ug of the protein as determined by the LAL method.

Storage 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.

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.

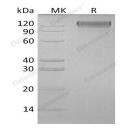
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed man

Reconstitution Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

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 aatransmembrane 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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