

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



Catalog Number:PKSH032836

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

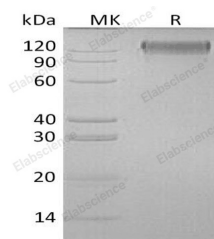
Description

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 µg 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 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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