

Human OSMR beta&GP130 Protein

Cat. No. OGC-HM10R

Description

Source	Recombinant Human OSMR beta&GP130 Protein is expressed from HEK293 with His tag and Flag tag at the C-Terminus. It contains Glu28-Met740(OSMR)&Glu23-Glu619(GP130).
Accession	Q99650-1(OSMR beta)&P40189-1(GP130)
Molecular Weight	The protein has a predicted MW of 82.2 kDa(OSMR beta) and 68.83 kDa(GP130). Due to glycosylation, the protein migrates to 100-140 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

OSMR&gp130 is a type II receptor for OSM in humans. OSM can alternatively bind to a heterodimer of gp130 and LIF-R or of gp130 and OSMR (OSM receptor). On the basis of in vitro studies, the OSM ligand recruits a broader array of cell signaling pathways than most gp130 cytokines. OSMR and gp130 chains are widely expressed in connective tissue cells and tumor cells.

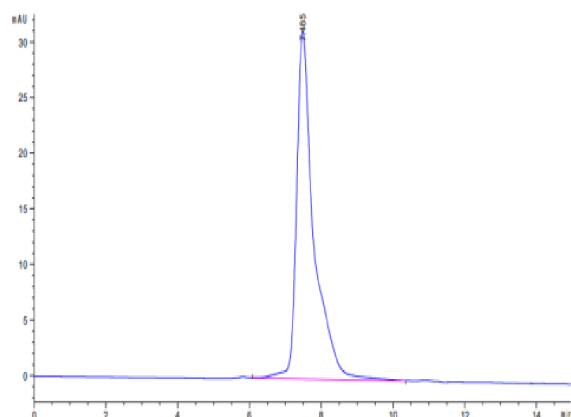
Assay Data

Bis-Tris PAGE



Human OSMR beta&GP130 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



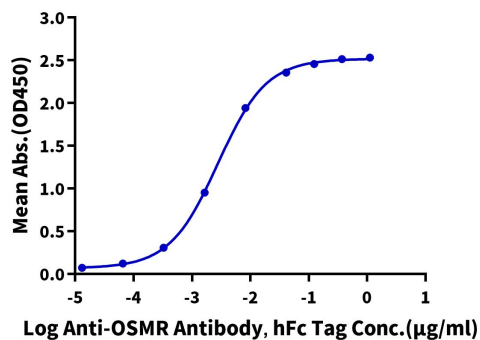
The purity of Human OSMR beta&GP130 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human OSMR&GP130, His Tag ELISA

0.05µg Human OSMR&GP130, His Tag Per Well



Immobilized Human OSMR beta&GP130, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-OSMR Antibody, hFc Tag with the EC50 of 2.8ng/ml determined by ELISA.