

Osmr

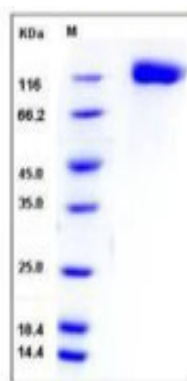
Recombinant Mouse Oncostatin-M Receptor Subunit Beta / IL-31R-beta (His Tag)

Catalog No.	CRM630A-His CRM630B-His	Quantity:	100 µg 200 µg
Alternate Names:	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		
Description:	Oncostatin-M specific receptor subunit beta (IL-31RB) is one of the receptor proteins for oncostatin M. OSMR is a member of the type I cytokine receptor family. IL-31RB heterodimerizes with interleukin 6 signal transducer to form the type II oncostatin M receptor and with interleukin 31 receptor A to form the interleukin 31 receptor, and thus transduces oncostatin M and interleukin 31 induced signaling events. Mutations in IL-31RB have been associated with familial primary localized cutaneous amyloidosis. Defects in IL-31RB are the cause of amyloidosis primary localized cutaneous type 1 (PLCA1), also known as familial lichen amyloidosis or familial cutaneous lichen amyloidosis. PLCA1 is a hereditary primary amyloidosis characterized by localized cutaneous amyloid deposition. This condition usually presents with itching (especially on the lower legs) and visible changes of skin hyperpigmentation and thickening (lichenification) that may be exacerbated by chronic scratching and rubbing. The amyloid deposits probably reflect a combination of degenerate keratin filaments, serum amyloid P component, and deposition of immunoglobulins.		
UniProt ID:	O70458-1		
Protein Construction:	A DNA sequence encoding the mouse OSMR extracellular domain (Met 1-Leu 738) was expressed, fused with a polyhistidine tag at the C-terminus.		
Source:	HEK293 Cells		
Formulation:	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The secreted rmlIL-31RB consists of 726 aa with a predicted MW of 83.7 kDa and migrates at ~120-130 kDa in SDS-PAGE under reducing conditions, due to glycosylation.		
Purity:	> 97 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Gln 24		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		

Storage & Stability:

Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
Avoid repeated freeze-thaw cycles.

SDS-PAGE



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