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Datasheet for ABIN7317608

Oncostatin M Receptor Protein (OSMR) (AA 1-740) (His tag)

Overview

Quantity:	100 µg
Target:	Oncostatin M Receptor (OSMR)
Protein Characteristics:	AA 1-740
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Oncostatin M Receptor protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human OSMR/IL31RB Protein (aa 1-740, His Tag)
Sequence:	Met 1-Met 740
Characteristics:	A DNA sequence encoding the human OSMR (NP_003990.1) extracellular domain (Met 1-Met 740) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 96 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Oncostatin M Receptor (OSMR)
Alternative Name:	OSMR/IL31RB (OSMR Products)
Background:	Background: Oncostatin-M specific receptor subunit beta also known as the oncostatin M

Target Details

receptor (OSMR) and Interleukin-31 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/OSMR 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/OSMR have been associated with familial primary localized cutaneous amyloidosis. Defects in IL-31RB/OSMR 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. Synonym: 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

Molecular Weight: 82.6 kDa

NCBI Accession: [NP_003990](#)

Pathways: [JAK-STAT Signaling](#), [Growth Factor Binding](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.