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Datasheet for ABIN7520376

Oncostatin M Receptor Protein (OSMR) (His tag)

Overview

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

Product Details

Purpose:	Recombinant Mouse OSMR/IL-31RB Protein
Sequence:	EVLEEPLPLT PEIHKVSFQL KLQEVNLEWT VPALTHEELN MIFQIEISRL NISNTIWWEN YSTTVKREEA VRWNWTS DIP LECVKHFIRI RALVDDTKSL PQSSWGNWSS WKEVNAKVS EPDKSLIFPK DKVLEEGSNV TICLMYGQNV YNVSCKLQDE PIHGELQDSH VSLLKLNNV FLSDTGTNIN CQATKGPRI FGTVLVFSKV LEEPKNVSCV TRDFKTLDCS WEPGVDTTLT WRKQRFQNYT LCESFSKRCE VSNYRNSYTW QITEGSQEMY NFTLTAENQL RKRSVNINFN LTHRHPKAP QDVTLKIIGA TKANMTWKVH SHGNNYLLC QVKLQYGEVI HEHNSVHMS ANYLFSDDLDP DTKYKAFVRC ASANHFVKWS DWTQKEFSTP ETAPSQALDV WRQVWSENGR RIVTLFWKPL LKSQANGKII SYNIVVENEK KPTSEHYCV WAPALSTNLS LDLQPYKIRI TTNNSMGASP ESLMVLSNDS GHEEVKEKTI KGIKDAFNIS WEPVSGDTMG YVVDWCAHSQ DQRCDLQWKN LGPNTTSTTI TSDDFKPGVR YNFRIFERSV EHKARLVEKQ RGYTQELAPL VNPKEIPYS TPNSFVLRWP DYDSDFQAGF IKGYLVVYKS KEMQCNQPWE RTLLPDNSVL CKYDINGSET KTLTVENLQP ESLYEFFVTP YTSAGPGPNE TFTKVTTPDA RSHM
Specificity:	Glu24-Met737

Product Details

Purity: > 95 % by SDS-PAGE.

Sterility: 0.22 µm filtered

Endotoxin Level: <0.1EU/µg

Target Details

Target: Oncostatin M Receptor (OSMR)

Alternative Name: OSMR/IL-31RB ([OSMR Products](#))

Background: Description: Oncostatin-M specific receptor subunit beta also known as the oncostatin M 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 of familial cutaneous lichen amyloidosis. PLCA1 is 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. Name: IL-31R subunit beta,IL-31R-beta,IL-31RB,OSMR beta,OSMR,OSMRB,OSMR

Gene ID: 18414

UniProt: [O70458](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile

Handling

distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C, -80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.