

IL10RA, 22-235aa , Human, His tag, Insect cell

Cat.NO.: TP02603

3th Edition

Synonyms: Interleukin-10 receptor subunit alpha , CD210, CD210a, CDW210A, HIL-10R, IL-10R1, IL10R

Description: IL10RA, also known as Interleukin-10 receptor subunit alpha, is structurally related to interferon receptors. It has been shown to mediate the immunosuppressive signal of interleukin 10, and thus inhibits the synthesis of proinflammatory cytokines. This receptor is reported to promote survival of progenitor myeloid cells through the insulin receptor substrate-2/PI 3-kinase/AKT pathway. Activation of this receptor leads to tyrosine phosphorylation of JAK1 and TYK2 kinases. It has been shown to interact with Interleukin 10 and Janus kinase 1. Recombinant human IL10RA, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 25.2kDa (220aa) 228-40kDa (SDS-PAGE under reducing conditions.)

Sequences:

HGTELPSPPSVWFEEAEFFHHILHWTPIPNQSESTCYEVALLRYGIESWNSISNCSQTLSDLTAVTLDLYHSNGYRA
RVRAVDGSRHSNWTVTNTRFSVDEVTLTVGSVNLEIHNGFILGKIQLPRPKMAPANDTYESIFSHFREYEIAIRKVP
NFTFTHKKVKHENFSLTSGEVGEFCVQVKPSVASRSNKGMSKEECISLTRQYFTVTNHHHHHH

Purity: > 95% by HPLC

Concentration: 0.2mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.