

32-7543: Recombinant Human IL-27 Ra/WSX-1/TCCR (C-Fc)(Discontinued)

Gene : IL27RA
Gene ID : 9466
Uniprot ID : Q6UWB1

Description

Source: Human Cells.
MW :79.6kD.

Recombinant Human Interleukin-27 Receptor Subunit α /IL-27Ra is produced by our Mammalian expression system and the target gene encoding Gly34-Lys516 is expressed with a Fc tag at the C-terminus. Interleukin-27 receptor alpha is also known as WSX 1, TCCR and IL 27 R alpha. IL-27 R alpha belongs to the type I, group 2 cytokine receptor family. Mature IL 27 R alpha is a type I transmembrane glycoprotein which consists of a 484 amino acid aa extracellular region, a 21 aa transmembrane segment and a 99 aa cytoplasmic domain. Human IL-27 R alpha extracellular region shows 63% aa sequence identity with those of mouse IL 27 R alpha extracellular domain. It is highly expressed in lymphoid tissues such as spleen, lymph nodes and peripheral blood leukocytes. The function of human IL-27 R alpha is to act as the receptor of human IL-27 and to involve in the regulation of Th1-type immune responses. In addition, IL-27 R alpha is reported to complex with CNTFR alpha and gp130 form a human IL-27 receptor on neurons, and to complex with gp130 and IL-6 R to form a receptor for a p28:CLF heterodimeric cytokine on lymphocytes.

Product Info

Amount : 10 μ g / 50 μ g
Content : Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : GSAGPLQCYGVGPLGDLNCSWEPLGDLGAPSELHLQSQKYRSNKTQTVAVAAGRSWVAIPREQLTMSDKLLV
WGTKAGQPLWPPVFNLETQMKNAPRLGPDVDFSEDDPLEATVHWAPPTWPSHKVLCQFHYRRCQEA
AW TLLPELKIPLTPVEIQDLELATGYKVYGRCRMEKEEDLWGEWSPILSFQTPPSAPKDVVWSGNLCGTPGG
EEP LLLWKAPGPCVQVSYKVVWFVGGRELSPEGITCCCSLIPSGAEWARVSAVNATSWEPLTNLSLVCLDSASAPR
SVAVSSIAGSTELLVTWQPGPGEPLHVVDDWARDGDPLEKLNWVRLPPGNLSALLPGNFTVGVPIRITVAVS
ASGLASASSVWGFREELAPLVGPTLWRLQDAPPGTPAIAWGEVPRHQLRGHLTHYTLCAQSGTSPVCMNVS
GNTQSVTLPLPWGPCELWVTASTIAGQPPGPILRLHLPDNTLRWKVDDIEGRMDEPKSCDKTHTCP
PCPAP ELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQ
YNSTYRVVSVL TVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLV
KGFYPSDIAVE WESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVDFSCSVMHEALHNHYTQKSL
SLSPGK

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.