

## 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  $\alpha$ /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  $\mu$ g / 50  $\mu$ g  
**Content :** Lyophilized from a 0.2  $\mu$ 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  
WGTKAGQPLWPPVFVNLETQMKNAPRLGPDVDFSEDDPLEATVHWAPPTWPSHKVLCQFHYRRCQEA  
AW TLLPELKIPLTPVEIQDLELATGYKVYGRCRMEKEEDLWGEWSPILSFQTPPSAPKDVVWSGNLCGTPGG  
EEP LLLWKAPGPCVQVSYKVVWFVGGRELSPEGITCCCSLIPSGAEWARVSAVNATSWEPLTNLSLVCLDS  
ASAPR SVAVSSIAGSTELLVTWQPGPGEPLHVVDDWARDGDPLEKLNWVRLPPGNLSALLPGNFTV  
GVPYRITVAVS ASGLASASSVWGFREELAPLVGPTLWRLQDAPPGTPAIAWGEVPRHQLRGHL  
THYTLCAQSGTSPSVCMMNVS GNTQSVTLPLPWGPCELWVTASTIAGQPPGPILRLHLPDNTLR  
WKVDDIEGRMDEPKSCDKTHTCPPCPAP ELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDV  
SHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVL TVLHQDWLNGKEYKCKVSNKAL  
PAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVE WESNGQPENNYK  
TTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSVMSVHEALHNHYTQKSLSLSPGK

### 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  $\mu$ g/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.