

## IL-27RA/TCCR Protein, Human, Recombinant (His)

### General Information

Synonyms:	WSX1;IL-27 RA;IL27R $\alpha$ ;CRL1;IL27RA;IL27R alpha;IL-27R-alpha;WSX-1;ZcytoR1;IL27 RA;IL-27RA;TCCR;IL-27R- $\alpha$
Protein Construction:	Gly34-Lys516
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q6UWB1
Molecular Weight:	53.55 kDa (predicted). Due to glycosylation, the protein migrates to 75-105 kDa based on Tris-Bis PAGE result.

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 $\mu$ m filtered solution in PBS (pH 7.4).

### Preparation and Storage

#### Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

Proteins are shipped with blue ice.

### Protein Background

IL-27Ra (also known as TCCR and WSX1) as a gene whose expression can induce the transformation of hematopoietic cells. IL-27Ra (IL-27R) is a type I cytokine receptor that functions as the ligand binding component of the receptor for IL-27 and functions with the glycoprotein 130 (gp130) coreceptor to induce signal transduction in response to IL-27.

#### Reference

Pradhan A, et al. Transformation of hematopoietic cells and activation of JAK2-V617F by IL-27R, a component of a heterodimeric type I cytokine receptor. Proc Natl Acad Sci U S A. 2007 Nov 20;104(47):18502-7. doi: 10.1073/pnas.0702388104. Epub 2007 Nov 14. PMID: 18003935; PMCID: PMC2141806.

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