

## Product datasheet for **TP727347**

### IL12RB1 Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Human IL-12 Receptor Subunit $\beta$ 1/IL-12RB1/CD212 (C-Fc)
<b>Species:</b>	Human
<b>Expression cDNA Clone or AA Sequence:</b>	Cys24-Glu540
<b>Tag:</b>	C-Fc
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
<b>Note:</b>	Recombinant Human Interleukin-12 receptor subunit beta-1 is produced by our Mammalian expression system and the target gene encoding Cys24-Glu540 is expressed with a Fc tag at the C-terminus.
<b>Storage:</b>	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.
<b>Stability:</b>	12 months from date of despatch
<b>Locus ID:</b>	3594
<b>UniProt ID:</b>	<a href="#">P42701</a>
<b>Synonyms:</b>	CD212; IL12RB1; CD212; CD212 antigen; IL-12 receptor beta component; IL-12 receptor subunit beta-1; IL12R; IL-12R subunit beta-1; IL12RB; IL-12RB1; IL-12R-BETA1; IL-12R-beta-1; interleukin-12 receptor beta-1 chain; interleukin-12 receptor subunit beta-1
<b>Summary:</b>	Interleukin12 receptor subunit beta 1 (IL12RB1) is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. IL12RB1 can spontaneously form homodimers and -oligomers, which are able to bind IL12 with only low affinity. IL12 high affinity receptor complex is composed of two subunits designated IL12RB1 and IL12RB2. While IL12RB1 interacts with the IL-12p40 subunit, IL-12p35 is mainly connecting with IL12RB2. This receptor chain is also responsible for transmitting the IL12 signal into the cell. IL12RB1, to the contrary, is also part of the IL23R, where it interacts with the p40 subunit of IL23. IL12RB1 is expressed in activated T cells, NK cells and B cells.
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway



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