

## Product datasheet for **AR51765PU-S**

### CD212 / IL12RB1 (1-545, His-tag) Human Protein

#### Product data:

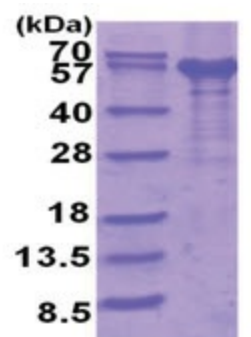
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	CD212 / IL12RB1 (1-545, His-tag) human recombinant protein, 50 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMEPLVTW VVPLLFLFLL SRQGAACRTS ECCFQDPPYP DADSGSASGP RDLRCYRISS DRYECSWQYE GPTAGVSHFL RCCLSSGRCC YFAAGSATRL QFSDQAGVSV LYTTLWVES WARNQTEKSP EVTLQLYNSV KYEPPLGDIK VSKLAGQLRM EWETPDNQVG AEVQFRHRTP SSPWKLGDGCG PQDDDTESCL CPLEMNVAQE FQLRRRQLGS QGSSWSKWSS PVCVPPENPP QPQVRFSEVQ LGQDGRRLT LKEQPTQLEL PEGCQGLAPG TEVTYRLQLH MLSCPCAKA TRTLHLGKMP YLSGAAYNVA VISSNQFGPG LNQTWHIPAD THTEPVALNI SVGTNGTTMY WPARAQSMY CIEWQPVGQD GGLATCSLTA PQDPDPAGMA TYSWSRESGA MGQEKCYYIT IFASAHPEKL TLWSTVLSTY HFGGNASAAG TPHHVSVKNH SLDSVSDWA PSLSTCPGV LKEYVVRCD EDSKQVSEHP VQPTETQVTL SGLRAGVAYT VQVRADTAWL RGVWSQPQRF SIEVQVSD
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	62.6 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM TRIS 8.0 buffer containing 10% glycerol.
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human IL12RB1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001276952</a>



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Locus ID:	3594
UniProt ID:	<a href="#">P42701</a>
Cytogenetics:	19p13.11
Synonyms:	Interleukin-12 receptor beta-1 chain, IL-12R-beta-1, IL-12 receptor beta, IL12 receptor beta component, IL-12RB1
Summary:	The protein encoded by this gene is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. This protein forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this and IL12RB2 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. Mutations in this gene impair the development of interleukin-17-producing T lymphocytes and result in increased susceptibility to mycobacterial and Salmonella infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

### Product images:



15% SDS-PAGE (3ug)