

Product datasheet for **AR51902PU-S**

CD212 / IL12RB1 (24-545, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD212 / IL12RB1 (24-545, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression cDNA Clone or AA Sequence:	CRTSECCFQD PPYPDADSGS ASGPRDLRCY RISSDRYECS WQYEGPTAGV SHFLRCCLSS GRCCYFAAGS ATRLQFSDQA GSVLYTVTL WVESWARNQT EKSPEVTLQL YNSVKYEPPL GDKVSKLAG QLRMEWETPD NQVGAEVQFR HRTSPSPWKL GDCGPQDDDT ESCLCPLMN VAQEFQLRRR QLGSQGSSWS KWSSPVCVPP ENPPQPQVRF SVEQLGQDGR RRLTLKEQPT QLELPEGCQG LAPGTEVTYR LQLHMLSCPC KAKATRTLHL GKMPYLSGAA YNVAVISSNQ FGPGLNQTWH IPADTHTEPV ALNISVGTNG TTMYPARAQ SMTYCIWQP VGQDGGGLATC SLTAPQDPDP AGMATYSWSR ESGAMGQEK YITIFASAH PEKLTWSTV LSTYHFGGNA SAAGTPHHVS VKNHSLDSVS VDWAPSLST CPGVLKEYVW RCRDEDSKQV SEHPVQPTET QVTLSGLRAG VAYTVQVRAD TAWLRGVWSQ PQRFSIEVQV SDHHHHHH
Tag:	His-tag
Predicted MW:	58.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE.
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffered saline (pH 7.4) containing 20% glycerol, 1 mM EDTA, 0.1 mM PMSF
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human IL12RB1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Storage:	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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001276952
Locus ID:	3594



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UniProt ID:	P42701
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:

