

Product datasheet for AR51902PU-S

OriGene Technologies, Inc.

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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 GVSVLYTVTL WVESWARNQT EKSPEVTLQL YNSVKYEPPL GDIKVSKLAG QLRMEWETPD NQVGAEVQFR HRTPSSPWKL GDCGPQDDDT ESCLCPLEMN VAQEFQLRRR QLGSQGSSWS KWSSPVCVPP ENPPQPQVRF SVEQLGQDGR RRLTLKEQPT QLELPEGCQG LAPGTEVTYR LQLHMLSCPC KAKATRTLHL GKMPYLSGAA YNVAVISSNQ EGPGLNOTWH IPADTHTEPV ALNISVGTNG TTMXWPARAO SMTYCIEWOP VGODGGLATC

FGPGLNQTWH IPADTHTEPV ALNISVGTNG TTMYWPARAQ SMTYCIEWQP VGQDGGLATC SLTAPQDPDP AGMATYSWSR ESGAMGQEKC YYITIFASAH PEKLTLWSTV LSTYHFGGNA SAAGTPHHVS VKNHSLDSVS VDWAPSLLST CPGVLKEYVV RCRDEDSKQV SEHPVQPTET

QVTLSGLRAG VAYTVQVRAD TAWLRGVWSQ PQRFSIEVQV SDHHHHHH

Tag:His-tagPredicted 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.

RefSeg: NP 001276952

Locus ID: 3594



CD212 / IL12RB1 (24-545, His-tag) Human Protein - AR51902PU-S

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

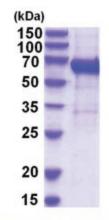
mycobacterial and Salmonella infections. Alternative splicing results in multiple transcript

variants. [provided by RefSeq, Feb 2014]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images:



15% SDS-PAGE (3ug)