

**IL12RB1, 24-545aa , Human, His tag, Insect cell**

**Cat.NO.: TP02608**

3th Edition

**Synonyms:** Interleukin-12 receptor subunit beta-1 isoform 1 , CD212, IL-12R-BETA1, IL12RB

**Description:** IL12RB1, also known as Interleukin-12 receptor subunit beta-1, is a intercellular adhesion molecule 1. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. It forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this protein and IL12RB2 was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. Recombinant human IL12RB1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In phosphate buffered saline (pH 7.4) containing 20% glycerol, 1mM EDTA, 0.1mM PMSF.

**Molecular Weight:** 58.4kDa (528aa) 50-70kDa (SDS-PAGE under reducing conditions.)

**Sequences:**

CRTSECCFQDPYPDADSGSASGPRDLRCYRISSDRYECWQYEGPTAGVSHFLRCCLSSGRCCYFAAGSATRL  
QFSDQAGVSVLYTVTLWVESWARNQTEKSPEVTLQLYNSVKYEPPLGDIKVSCLAGQLRMEWETPDNQVGAEVQ  
FRHRTSPSPWKLGDGCPQDDDTESCLCPLMNVAQEFQLRRRQLGSQGSSWSKWSSPVCVPPENPPQPQVRFS  
VEQLGQDGRRRLTLKEQPTQLELPEGCQGLAPGTEVYRLQLHMLSCPKAKATRTLHLGKMPYLSGAAYNVAVI  
SSNQFGPGLNQTWHIPADTHTEPVALNISVGTNGTTMYWPARAQSMTCIEWQPVGQDGGGLATCSLTAPQDPDP  
AGMATYSWSRESGAMGQEKCYITIFASAHPEKLTWSTVLSTYHFGGNASAAGTPHHVSVKNHSLDSVSDWAP  
SLLSTCPGVLKEYVVRCDDESKQVSEHPVQPTETQVTL SGLRAGVAYTVQVRADTAWLRGVWSQPQRFSIEVQV  
SDHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.25mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.