

**Cytokine receptor common subunit beta, 17-443aa, Human, His tag, Insect cell**

**Cat.NO.: TP01825**

3th Edition

**Synonyms:**CD131, CDw131, IL3RB, IL5RB, SMDP5, CSF2RB.

**Description:**CSF2RB, also known as cytokine receptor common subunit beta, is a high affinity receptor for interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor. This unusual form of receptor assembly likely applies also to IL-3 and IL-5 receptors, providing a structural basis for understanding their mechanism of activation and for the development of therapeutics. Recombinant human CSF2RB, 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 10% glycerol.

**Molecular Weight:**49.7kDa (435aa) 40-57kDa (SDS-PAGE under reducing conditions)

**Sequences:**

WERSLAGAEETIPLQTLRCYNDYTSHITCRWADTQDAQRLVNVTLIRRVNEDLLEPVSCDLSDDMPWSACPHPRC  
VPRRCVIPCQSFVVTVDYFSFQPDRLGTRLTVTLTQHVPPEPRDLQISTDQDHFLTWSVALGSPQSHWLSPG  
DLEFEVVYKRLQDSWEDAAILLSNTSQATLGPEHLMPSSTYVARVRTRLAPGSRLSGRPSKWSPEVCWDSQPGDE  
AQPQNLECFDGA AVLSCSWEVRKEVASSVSFGLFYKPSPDAGEEECS PVLREGLGSLHTRHHCQIPVPDPATHG  
QYIVSVQPRRAEKHIKSSVNIQMAPP SLNVT KDGSYSLRWETMKMRYEHIDHTFEIQYRKDTATWKDSKTETLQN  
AHSMALPALEPSTRYWARVRVRTSRTGYNGIWSEWSEARSWDTESVLP MWLEHHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Absorbance at 280nm)

**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.