

Cytokine receptor common subunit beta, 17-443aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3244

NCBI Accession No.: NP_000386

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)

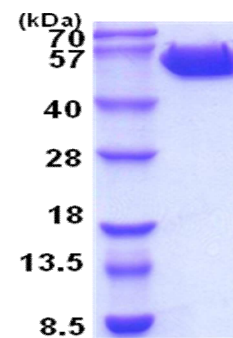
40-57kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Trp17

Purity: > 95% by SDS – PAGE.

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

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



15% SDS-PAGE (3µg)

Sequences of amino acids:

WERSLAGAEE T I P L Q T L R C Y N D Y T S H I T C R W A D T Q D A Q R L V N V T L I R R V N E D L L E P V S C D L S D D M P W S A C P H P R C V P R R C V I P C Q S F V V T
 D V D Y F S F Q P D R P L G T R L T V T L T Q H V Q P P E P R D L Q I S T D Q D H F L L T W S V A L G S P Q S H W L S P G D L E F E V V Y K R L Q D S W E D A A I L L S N T S Q A T
 L G P E H L M P S S T Y V A R V R T R L A P G S R L S G R P S K W S P E V C W D S Q P G D E A Q P Q N L E C F F D G A A V L S C S W E V R K E V A S S V S F G L F Y K P S P D A G E
 E E C S P V L R E G L G S L H T R H I C Q I P V P D P A T H G Q Y I V S V Q P R R A E K H I K S S V N I Q M A P P S L N V T K D G D S Y S L R W E T M K M R Y E H I D H T F E I Q Y
 R K D T A T W K D S K T E T L Q N A H S M A L P A L E P S T R Y W A R V R V R T S R T G Y N G I W S E W S E A R S W D T E S V L P M W L E H H H H H

General references:

Hansen G., *et al.* (2008) *Cell*. 134:496-507.

Mulhern TD., *et al.* (2000) *J Mol Biol*. 297:989-1001.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.