
Product Data Sheet

Product Name: CSF2RB Human
 Cat. No.: GP20145
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CSF2RB; Colony Stimulating Factor 2 Receptor; Beta; Low-Affinity (Granulocyte-Macrophage); GM-CSF/IL-3/IL-5 Receptor Common Beta Subunit; CDw131; IL3RB; SMDP5; IL5RB; Interleukin 3 Receptor/Granulocyte-Macrophage Colony Stimulating Factor 3 Receptor; Beta(High Affinity); Colony-Stimulating Factor-2 Receptor; Beta; Low-Affinity; GM-CSF/IL-3/IL-5 Receptor Common Beta-Chain; Cytokine Receptor Common Subunit Beta; CD131 Antigen; CD131.		
Amino Acid Sequence	WERSLAGAEE TIPLQTLRCY NDYTSHITCR WADTQDAQRL VNVTLIRRVNEDLLEPVSCD LSDDMPWSAC PHPRCVPRRC VIPCQSFVVT DVDYFSFQPD RPLGTRLTVT LTQHVQPPEPRDLQISTDQD HLLTWSVAL GSPQSHWLSP GDLEFEVYK RLQDSWEDAA ILLSNTSQT LGPEHLMPS TYVARVTRL APGSRLSGRP SKWSPEVCWD SQPGDEAQPQNLECFDGA VLSCSWEVRK EVASSVSFGL FYKPSDAGE EECSPVLRG LGSLHTRHHC QIPVPDPATHGQYIVSVQPR RAEKHIKSSV NIQMAPP SLN VTKDGDSYSL RWETMKMRYE HIDHTFEIQY RKDTATWKDS KTETLQNAHSMALPALEPST RYWARVRVRT SRTGYNGIWS EWSEARSWDT ESVLPMWLEH HHHHH.		
Formulation	CSF2RB protein solution (0.5mg/ml) containing Phosphate Buffered Saline(pH7.4) and 10% glycerol.		

Introduction

GM-CSF Receptor Beta, also known as CSF2RB is a member of the type I cytokine receptor family. CSF2RB is a high affinity receptor for interleukin-3, interleukin-5 as well as granulocyte-macrophage colony-stimulating factor. CSF2RB unique form of receptor assembly applies also to IL-3 and IL-5 receptors, providing a structural basis for understanding their activation mechanism which is essential for the development of

Caution: Product has not been fully validated for medical applications. For research use only.

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therapeutics.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Background

CSF2RB Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 435 amino acids (17-443 a.a) and having a molecular mass of 49.7kDa. (Migrates at 40-57kDa on SDS-PAGE under reducing conditions). CSF2RB is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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