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Recombinant human IL-3RB/CSF2RB protein

Catalog Number: ATGP3244

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

17-443aa

UniProt No.

P32927

NCBI Accession No.

NP 000386

Alternative Names

Colony stimulating factor 2 receptor subunit beta, Cytokine receptor common subunit beta, Beta common cytokine receptor, Beta-GM-CSF receptor, GM-CSF/IL-3/IL-5 receptor common beta subunit, IL5RB, CD131, BetaGMR

PRODUCT SPECIFICATION

Molecular Weight

49.7 kDa (435aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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



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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.

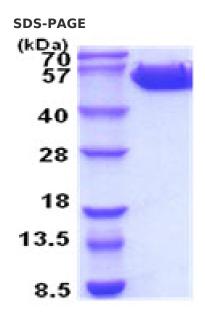
Amino acid Sequence

WERSLAGAEE TIPLQTLRCY NDYTSHITCR WADTQDAQRL VNVTLIRRVN EDLLEPVSCD LSDDMPWSAC PHPRCVPRRC VIPCQSFVVT DVDYFSFQPD RPLGTRLTVT LTQHVQPPEP RDLQISTDQD HFLLTWSVAL GSPQSHWLSP GDLEFEVVYK RLQDSWEDAA ILLSNTSQAT LGPEHLMPSS TYVARVRTRL APGSRLSGRP SKWSPEVCWD SQPGDEAQPQ NLECFFDGAA VLSCSWEVRK EVASSVSFGL FYKPSPDAGE EECSPVLREG LGSLHTRHHC QIPVPDPATH GQYIVSVQPR RAEKHIKSSV NIQMAPPSLN VTKDGDSYSL RWETMKMRYE HIDHTFEIQY RKDTATWKDS KTETLQNAHS MALPALEPST RYWARVRVRT SRTGYNGIWS EWSEARSWDT ESVLPMWLEH HHHHH

General References

Hansen G., et al. (2008) Cell. 134:496-507. Mulhern TD., et al. (2000) J Mol Biol. 297:989-1001.

DATA



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

