

# Recombinant human GM-CSF R alpha protein

Catalog Number: ATGP2363

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

20-320aa

### UniProt No.

P15509

### NCBI Accession No.

NP\_001155003

### Alternative Names

Colony stimulating factor 2 receptor alpha low-affinity, Colony stimulating factor 2 receptor, alpha, low-affinity, CD116, CDw116, CSF2R, GM-CSF-R-alpha, GMCSFR, GMR, SMDP4

## PRODUCT SPECIFICATION

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### Molecular Weight

37.2 kDa (324aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### 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

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### Description

CSF2RA is the alpha subunit of the heterodimeric receptor for colony stimulating factor 2, a cytokine which controls the production, differentiation, and function of granulocytes and macrophages. This protein is a member of the cytokine family of receptors. It is found in the pseudoautosomal region (PAR) of the X and Y chromosomes. Multiple transcript variants encoding different isoforms have been found for this gene, with some of the isoforms being membrane-bound and others being soluble. Recombinant human CSF2RA protein, fused to His-tag at N-

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terminus, was expressed in E. coli.

## Amino acid Sequence

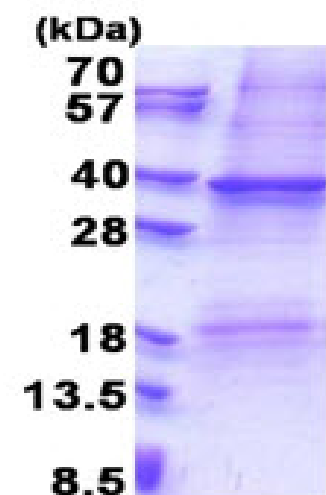
MGSSHHHHHH SSSLVPRGSH MGSLIPEKSD LRTVAPASSL NVRFDSRTMN LSWDCQENTT FSKCFLTDKK NRVVEPRLSN  
NECSCTFREI CLHEGVTFEV HVNTSQRGFQ QKLLYPNSGR EGTAQNFSC FIYNADLMNC TWARGPTAPR DVQYFLYIRN  
SKRRREIRCP YYIQDSGTHV GCHLDNLSGL TSRNYFLVNG TSREIGIQFF DSLLDTKKIE RFNPPSNVTV RCNTTHCLVR  
WKQPRTYQKL SYLDFQYQLD VHRKNTQPGT ENLLINVSGD LENRYNFPSS EPRAKHSVKI RAADVRLNW SSWSEAIEFG  
SDDG

## General References

Hansen G., et al. (2008) Cell. 134:496-507  
Suzuki T., et al. (2008) J. Exp. Med. 205:2703-2710

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)