

Recombinant Human colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage), His-tagged

Cat. No. CSF2RA-280H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CSF2RA, 20-320aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	20-320 a.a.
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-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea
Molecular Mass	37.2 kDa (324aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSLIPEKSD LRTVAPASSL NVRFDSRTMN LSWDCQENTT FSKCFLTDKK NRVVEPRLSN NECSCTFREI CLHEGVTFEV HVNTSQRGFQ QKLLYPNSGR EGTAQNFSC FIYNADLMNC TWARGPTAPR

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DVQYFLYIRN SKRRREIRCP YYIQDSGTHV GCHLDNLSGL TSRNYFLVNG
 TSREIGIQFF DSLDDTKKIE RFNPPSNVTV RCNTTHCLVR WKQPRTYQKL
 SYLDFQYQLD VHRKNTQPGT ENLLINVSGD LENRYNFPSS EPRAKHSVKI
 RAADVRLINW SSWSEAIEFG SDDG

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name CSF2RA colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) [Homo sapiens]

Official Symbol CSF2RA

Synonyms CSF2RA; colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage); CSF2R; granulocyte-macrophage colony-stimulating factor receptor subunit alpha; CD116; GMR-alpha; GMCSFR-alpha; CD116 antigen; GM-CSF receptor alpha subunit; colony stimulating factor 2 receptor alpha subunit; granulocyte-macrophage colony-stimulating factor receptor alpha chain; GMR; SMDP4; CDw116; CSF2RX; CSF2RY; GMCSFR; CSF2RAX; CSF2RAY; MGC3848; MGC4838; GM-CSF-R-alpha;

Gene ID 1438

mRNA Refseq NM_001161529

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Protein Refseq	NP_001155001
MIM	306250
UniProt ID	P15509
Chromosome Location	Xp22.32 and Yp11.3
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Immune System, organism-specific biosystem; Interleukin receptor SHC signaling, organism-specific biosystem;
Function	cytokine receptor activity; receptor activity;

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