

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

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

### SPECIFICATION

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

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DVQYFLYIRN SKRRREIRCP YYIQDSGTHV GCHLDNLSGL TSRNYFLVNG  
 TSREIGIQFF DSLLDTKKIE RFNPPSNVTV RCNTTHCLVR WKQPRTYQKL  
 SYLDFQYQLD VHRKNTQPGT ENLLINVSGD LENRYNFPSS EPRAKHSVKI  
 RAADVRILNW 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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<b>Protein Refseq</b>	NP_001155001
<b>MIM</b>	306250
<b>UniProt ID</b>	P15509
<b>Chromosome Location</b>	Xp22.32 and Yp11.3
<b>Pathway</b>	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;
<b>Function</b>	cytokine receptor activity; receptor activity;

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