

Recombinant Human CSF2RA

Cat. No. CSF2RA-27475TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length extracellular domain of human GM-CSF Receptor alpha, fused to the Fc region of human IgG1 expressed in modified human 293 cells.
Species	Human
Description	The protein encoded by this gene 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. The encoded protein is a member of the cytokine family of receptors. This gene 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.
Biological activity	CSF2RA-27475TH bound to protein A sepharose beads was able to pull down its ligand, GM-CSF.
Form	Lyophilised: It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not reco
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Trehalose, 1% Human serum albumin

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Storage	Store at +4°C.
Sequences of amino acids	<p>Theoretical Sequence: EKSDLRTVAPASSLNVRFDSRTMNLSDWCQENTTFSKC FL TDKKNRVVEPRLSNNECSCTFREICLHEGVTFEVHV NTSQRGFQQKLLYPNSGRE GTAAQNFSCFIYNADLMNC TWARGPTAPRDVQYFLYIRNSKRRREIRCPYYIQDSG T HVGCHLDNLSGLTSRNYFLVNGTSREIGIQFFDSLDDTKKIERFNPPSNVTVRCNTT HCLVRWKQPRTYQKLSYLDFQ YQLDVHRKNTQPGTENLLINVSGDLENRYNFPSS EPRA KHSVKIRAADVRLNWSWSEAIEFGSDDGGSSNTKVD KKVEPKSCDKTHT CPPCPAPELLGGPSVFLFPPKPKDT LMISRTPEVTCVVVDVSHEDPEVKFNWYVDG VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKAL PAPIEKTISK AKGQPREPQVYTLPPSRDELTKNQVSLT CLVKGFYPSDIAVEWESNGQPENNYKTT PPVLDSDGSF FLYSKLTVDKSRWQQGNVFCSSVMHEALHNHYTQKSLS LSPGK</p>
Full Length	Full L.

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;
Gene ID	1438
mRNA Refseq	NM_001161529
Protein Refseq	NP_001155001

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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;
Function	cytokine receptor activity; receptor activity;

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