Recombinant Cynomolgus monkey CSF1R Protein, Fc-tagged

Cat. No. CSF1R-372C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus monkey CSF1R protein with Fc tag was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	1055
Description	The protein encoded by this gene is the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. This receptor mediates most if not all of the biological effects of this cytokine. Ligand binding activates the receptor kinase through a process of oligomerization and transphosphorylation. The encoded protein is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Mutations in this gene have been associated with a predisposition to myeloid malignancy. The first intron of this gene contains a transcriptionally inactive ribosomal protein L7 processed pseudogene oriented in the opposite direction. Alternative splicing results in multiple transcript variants. Expression of a splice variant from an LTR promoter has been found in Hodgkin lymphoma (HL), HL cell lines and anaplastic large cell lymphoma.
Form	Lyophilized
Molecular Mass	81.9 kDa

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AA Sequence	MRLCSSFAFRYDSEASSAMLNWEEEDQPKEEEEENKTNSQCRGEERVSGVPIPAE LVPGSSVPWAPYSPAPACRFPTEAMGPGVLLLLLVVTAWHGQGIPVIEPSGPELVVK PGETVTLRCVGNGSVEWDGPISPHWTLYSDGPSSVLTTNNATFQNTRTYRCTEPG DPLRGSAAIHLYVKDPARPWNVLAKEVVVFEDQDALLPCLLTDPVLEAGVSLVRLRG RPLLRHTNYSFSPWHGFIIHRAKFIQGQDYQCSALMGGRKVMSISIRLKVQKVIPGPP ALTLVPEELVRIRGEAAQIVCSASNIDVDFDVFLQHNTTKLAIPQRSDFHDNRYQKVL TLSLGQVDFQHAGNYSCVASNVQGKHSTSMFFRVVESAYLDLSSEQNLIQEVTVGE GLNLKVMVEAYPGLQGFNWTYLGPFSDHQPEPKLANATTKDTYRHTFTLSLPRLKP SEAGRYSFLARNPGGWRALTFELTLRYPPEVSVIWTSINGSGTLLCAASGYPQPNVT WLQCAGHTDRCDEAQVLQVWVDPHPEVLSQEPFQKVTVQSLLTTETLEHNQTYEC RAHNSVGSGSWAFIPISAGARTHPPDEFLFTPVVVACMSVMALLLLLLLLLLYKYKQK PKYQVRWKIIESYEGNSYTFIDPTQLPYNEKWEFPRNNLQFGKTLGAGAFGKVVEAT AFGLGKEDAVLKVAVKMLKSTAHADEKEALMSELKIMSHLGQHENIVNLLGACTHGG PVLVITEYCCYGDLLNFLRRKAEAMLGPSLSPGQDPEGGADYKNIHLEKKYVRRDSG FSSQGVDTYVEMRPVSTSSNDSFSEQDLDKEDGRPLELWDLLHFSSQVAQGMAFL ASKNCIHRDVAARNVLLTNGHVAKIGDFGLARDIMNDSNYIVKGNARLPVKWMAPES IFDCVYTVQSDVWSYGILLWEIFSLGLNPYPGILVNSKFYKLVKDGYQMAQPAFAPK NIYSIMQACWALEPTHRPTFQQICSLLQEQAQEDRRERDYTNLPSSSRSGGSGSGS SSSSSEPEEESSSEHLACCEQGDIAQPLLQPNNYQFC
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.

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Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CSF1R colony stimulating factor 1 receptor [Macaca mulatta (Rhesus monkey)]
Official Symbol	CSF1R
Synonyms	CSF1R; colony stimulating factor 1 receptor; macrophage colony-stimulating factor 1 receptor;
Gene ID	711512
mRNA Refseq	XM_001107711
Protein Refseq	XP_001107711
UniProt ID	F7BTH9

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