

# Recombinant Cynomolgus monkey CSF1R Protein, His-tagged

Cat. No. CSF1R-371C Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Cynomolgus monkey CSF1R protein with His tag was expressed in HEK293.
<b>Species</b>	Cynomolgus
<b>Source</b>	HEK293
<b>ProteinLength</b>	1055
<b>Description</b>	<p>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.</p>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	57.1 kDa

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**AA Sequence**

MRLCSSFAFRYDSEASSAMLNWEEEDQPKEEEEEENKTNSQCRGEERVSGVPIPAE  
 LVPGSSVPWAPYSPAPACRFPTTEAMGPGVLLLLLVVTAWHGQGIPVIEPSGPELVVK  
 PGETVTLRCVGNNGSVEWDGPISPHWTLYSDGPSSVLTTNNATFQNTRTYRCTEPG  
 DPLRGSAAIHLYVKDPPARPWNVLAKEVVVFEDQDALLPCLLTDPVLEAGVSLVRLRG  
 RPLL RHTNYSFSPWHGFIIHRAKFIQQQDYQCSALMGGKRVMSISIRLKVQKVIPGPP  
 ALTLVPEELVRIRGEAAQIVCSASNIDVDFDVFLQHNTTKLAIPQRSDFHDNRYQKVL  
 TLSLGQVDFQHAGNYSCVASNVQKGHSTSMFFRVVESAYLDLSSEQNLIQEVTVGE  
 GLNLKVMVEAYPGLQGFNWTYLGPFSDHQPEPKLANATTKD TYRHTFTLSLPR LKP  
 SEAGRYSFLARNPGGW RALTFELTRYPPEVSVIWTSINGSGTLLCAASGYPPQPNVT  
 WLQCAGHTDRCDEAQVLQVWVDPHPEVLSQEPFQKVTVQSLLTTETLEHNQTYEC  
 RAHNSVSGSGSWAFIPISAGARTHPPDEF LFTPVVVACMSVMALLLLLLLLLLLYKYKQK  
 PKYQVRWKIIESYEGNSYTFIDPTQLPYNEKWEFPRNNLQFGKTLGAGAFGKVV EAT  
 AFGLGKEDAVLKVAVKMLKSTAHAD EKEALMSELKIMSHLGQHENIVNLLGACTHGG  
 PVLVITEYCCYGDLLNFLRRKAEAMLGPSLSPGQDPEGGADYKNIHLEKKYVRRDSG  
 FSSQGVDTYVEMRPVSTSSNDSFSEQDLDKEDGRPLELWDL LHFSSQVAQGM AFL  
 ASKNCIHRDVAARNVLLTNGHVAKIGDFGLARDIMNDSNYIVKGNARLPVKWMAPES  
 IFDCVYTVQSDVWSYGILLWEIFSLGLNPYPGILVNSKFYKLVKDG YQMAQPAFAPK  
 NIYSIMQACWALEPTRPTFQQICSL LQEQAQEDRRERDYTNLPSSSRSGGSGSGS  
 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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<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
<b>Reconstitution</b>	Reconstitute in sterile distilled H <sub>2</sub> O 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

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

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