

Recombinant Mouse Csf1r Protein, His-tagged

Cat. No. Csf1r-375M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Csf1r protein with His tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	977
Description	Enables several functions, including macrophage colony-stimulating factor receptor activity; protein homodimerization activity; and protein phosphatase binding activity. Involved in several processes, including nervous system development; positive regulation of protein phosphorylation; and protein phosphorylation. Located in cell surface and plasma membrane. Part of CSF1-CSF1R complex. Is expressed in several structures, including alimentary system; central nervous system; extraembryonic component; genitourinary system; and limb. Human ortholog(s) of this gene implicated in adult-onset leukoencephalopathy with axonal spheroids and pigmented glia and renal cell carcinoma. Orthologous to human CSF1R (colony stimulating factor 1 receptor).
Form	Lyophilized
Molecular Mass	57.1 kDa
AA Sequence	MELGPPLVLLLATVWHGQGAPVIEPSGPELVVEPGETVTLRCVSNNGSVEWDGPISP YWTLDPESPGSTLTTRNATFKNTGTYRCTELEDPMAGSTTIHLYVKDPAHSWNLLA

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QEVTVVEGQEAVLPCLITDPALKDSVSLMREGGRQVLRKTVYFFSPWRGFIIRKAKV
 LDSNTYVCKTMVNGRESTSTGIWLKVNVRVHPEPPQIKLEPSKLVIRIGEAAQIVCSAT
 NAEVGFNVILKRGDTKLEIPLNSDFQDNYYKKVRALSLNAVDFQDAGIYSCVASNDV
 GTRTATMNFQVVESAYLNLTSEQSLLQEVSVDLSLITVHADAYPSIQHYNWYTLGP
 FFEDQRKLEFITQRAIYRYTFKFLNRVKASEAGQYFLMAQNKAGWNNLTFELTRY
 PPEVSVTWMPVNGSDVLFCDVSGYPQPSVTWMECRGHTDRCDEAQUALQVWNTD
 HPEVLSQKPFDKVIIQSQLPIGTLKHNMTYFCKTHNSVGNSSQYFRAVSLGQSKQLP
 DESLFTPVVVACMSVMSLLVLLLLLLLYKYKQKPKYQVRWKIERYEGNSYTFIDPTQ
 LPYNEKWEFPRNNLQFGKTLGAGAFGKVVEATAFGLGKEDAVLKVAVKMLKSTAHA
 DEKEALMSELKIMSHLGQHENIVNLLGACTHGGPVLVITEYCCYGDLLNFLRRKAEA
 MLGPSLSPGQDSEGDSSYKNIHLEKKYVRRD SGFSSQGVDTYVEMRPVSTSSSDS
 FFKQDLDEASRPLELWDLHFSSQVAQGMFLASKNCIHRDVAARNVLLTSGHVA
 KIGDFGLARDIMNDSNYVVKGNARLPVKWMAPE SIFDCVYTVQSDVWSYGILLWEIF
 SLGLNPYPGILVNNKFYKLVKDG YQMAQPVFAPKNIYSIMQSCWDLEPTRRPTFQQI
 CFLLQE QARLERRDQDYANLPSSGGSSGSDSGGGSSGSSSSEPEEESSEHLACC
 EPGDIAQPLLQPNNYQFC

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.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

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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 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Csf1r](#)

Synonyms

Csf1r; colony stimulating factor 1 receptor; Fms; Fim2; CD115; Csfmr; Fim-2; CSF-1R; M-CSFR; M-CSF-R; macrophage colony-stimulating factor 1 receptor; Names; CSF-1 receptor; CSF-1-R; c-fms; proto-oncogene c-Fms; proto-oncogene fms; EC 2.7.10.1

Gene ID [12978](#)

mRNA Refseq [NM_001037859](#)

Protein Refseq [NP_001032948](#)

UniProt ID [P09581](#)

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