

## Recombinant Mouse Csf1r Protein, Fc-tagged

**Cat. No.** Csf1r-376M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Recombinant Mouse Csf1r protein with Fc tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 977                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | 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). |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 81.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MELGPPLVLLLATVWHGQGAPVIEPSGPELVVEPGETVTLRCVSNNGSVEWDGPISP<br>YWTLDPESPGSTLTTRNATFKNTGTYRCTELEDPMAGSTTIHLYVKDPAHSWNLLA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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QEVTVEGQEAVLPCLITDPALKDSVSLMREGGRQVLRKTVYFFSPWRGFIIRKAKV  
 LDSNTYVCKTMVNGRESTSTGIWLKVNVRVHPEPPQIKLEPSKLVRIRGEAAQIVCSAT  
 NAEVGFNVILKRGDTKLEIPLNSDFQDNYYKKVRALSLNAVDFQDAGIYSCVASNDV  
 GTRTATMNFQVVESAYLNLTSEQSLLQEVSVGDSLILTVHADAYPSIQHYNWYLG  
 FFEDQRKLEFITQRAIYRYTFKLFLNRVKASEAGQYFLMAQNKAGWNNLTFELTLRY  
 PPEVSVTWMPVNGSDVLFCDVSGYPQPSVTWMECRGHTDRCDEAQAQVWVNDT  
 HPEVLSQKPFDKVIIQSQLPIGTLKHNMTYFCKTHNSVGNSSQYFRAVSLGQSKQLP  
 DESLFTPVVVACMSVMSLLVLLLLLLLYKYKQKPKYQVRWKIERYEGNSYTFIDPTQ  
 LPYNEKWEFPRNNLQFGKTLGAGAFGKVVEATAFGLGKEDAVLKVAVKMLKSTAHA  
 DEKEALMSELKIMSHLGQHENIVNLLGACTHGGPVLVITEYCCYGDLLNFLRRKAEA  
 MLGPSLSPGQDSEGDSSYKNIHLEKKYVRRDSGFSSQGVDTYVEMRPVSTSSSDS  
 FFKQDLDEASRPLELWDLHFSSQVAQGMFLASKNCIHRDVAARNVLLTSGHVA  
 KIGDFGLARDIMNDSNYVVKGNARLPVKWMAPEIFDCVYTVQSDVWSYGILLWEIF  
 SLGLNPYPGILVNNKFYKLVKDGYPMAQPVFAPKNIYSIMQSCWDLEPTRRPTFQQI  
 CFLLQEQRARLERRDQDYANLPSSGGSSGSDSGGGSSGSSSEPEEESSSEHLACC  
 EPGDIAQPLLQPNNYQFC

|                       |                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 98%                                                                                                                                                                                                  |
| <b>Applications</b>   | WB; ELISA; FACS; FC                                                                                                                                                                                    |
| <b>Stability</b>      | 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. |
| <b>Storage</b>        | At -20 centigrade.                                                                                                                                                                                     |
| <b>Concentration</b>  | 1 mg/mL                                                                                                                                                                                                |
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered colorless solution.                                                                                                                                                 |

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**Reconstitution**

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**

**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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