

## Recombinant Human Csf1r Protein, His-tagged

Cat. No. Csf1r-774H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human Csf1r protein with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>	109 kDa
<b>AA Sequence</b>	MGTATRRKPHLLLVAVALVSSSAWSSALGSQTTFGPVPFEDQPLSVLFPEESTEEQ VLLACRARASPPATYRWKMNGTEMKLEPGSRHQLVGGNLVIMNPTKAQDAGVYQC LASNPVGTVVSREAILRFGFLQEFSKEERDPVKAHEGWGVMMLPCNPPAHYPGLSYR WLLNEFPNFIPTDGRHFVSQTTGNLYIARTNASDLGNYSCLATSHMDFSTKSVFSKF

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AQLNLAEDTRLFAPSIKARFPAETYALVGQQVTLECFAGNPVPRIKWRKVDGSLS  
PQWTTAEPTLQIPSVSFEDEGTYECEAENSKGRDTVQGGRIIVQAQPEWLKVISDTEA  
DIGSNLRWGCAAAGKPRPTVRWLRNGEPLASQNRVEVLAGDLRFSKLSLEDSGMY  
QCVAENKHGTIYASAELAVQALAPDFRLNPNVRLIPAARGGEILIPCQPRAAPKAVVL  
WSKGTEILVNSSRVTVTPDGTLIIRNISRSDGKYTCFAENFMGKANSTGILSVRDAT  
KITLAPSSADINLGDNLTLQCHASHDPTMDLTFTWTLDDFPIDFDKPGGHYRRTNVK  
ETIGDLTILNAQLRHGGKYTCMAQTVVDSASKEATVLRGPPGPPGGVVVRDIGDTT  
IQLSWSRGRFDNHSPIAKYTLQARTPPAGKWKQVRTNPANIEGNAETAQVLGLTPWM  
DYEFRVIASNILGTGEPSPSSKIRTREAAPSVAPSGLSGGGGAPGELIVNWTMPSR  
EYQNGDGFYLLSFRRQGSTHWQTARVPGADAQYFVYSNESVRPYTPFEVKIRSY  
NRRGDGPESLTALVYSAEEEPRVAPTKVWAKGVSSEMNVTPWEPVQQDMNGILLG  
YEIRYWKAGDKEAAADRVRTAGLDTSARVSGLHPNTKYHVTVRAYNRAGTGPASPS  
ANATTMKPPRRPPGNISWTFSSSSLSIKWDPVVPFRNESAVTGYKMLYQNDLHLT  
PTLHLTGKNWIEIPVPEDIGHALVQIRTTGPGGDGIPAEVHIVRNGGTSMVMENMAV  
RPAPHPGTVISHSVAMLILIGSLEL

<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; macrophage colony-stimulating factor 1 receptor; c-fms; CSF-1-R; CSF-1 receptor; proto-oncogene fms; proto-oncogene c-Fms; Fms; CD115; Csfmr; Fim-2; CSF-1R; M-CSFR; M-CSF-R; AI323359;

**Gene ID** [12978](#)

**mRNA Refseq** [NM\\_001037859](#)

**Protein Refseq** [NP\\_001032948](#)

**UniProt ID** [P09581](#)

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