

CSF1R (Human) Recombinant Protein

Catalog # P8927 Size 5 ug

Specification

Product Description	Human CSF1R (P07333, 20 a.a. - 517 a.a.) partial-length recombinant protein with hlgG-His tag at C-Terminus expressed in <i>Baculovirus</i> .
Sequence	IPVIEPSVPELVVKPGATVTLRCVGNNGSVEWDGPPSPHWTLYSDGSSSILSTNNATFQNTGTYRCT EPGDPLGGSAIHLVYKDPARPWNVLAQEVVVFEDQDALLPCLLTDPVLEAGVSLVRVRGRPLM RHTNYSFSPWHGFTIHRAKFIQSQDYQCSALMGGRKVMSSIRLKVQKVIPGPPALTLVPAELVRIR GEAAQMVCSASSVDVNFDFVLQHNNTKLAIPQQSDFHNNRYQKVLTLNLDQVDFQHAG
Host	Viruses
Theoretical MW (kDa)	82.09999999999998
Form	Liquid
Preparation Method	<i>Baculovirus</i> expression system
Purity	> 90% by SDS PAGE
Storage Buffer	Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CSF1R

Entrez GeneID	1436
Protein Accession#	P07333

Gene Name	CSF1R
Gene Alias	C-FMS, CD115, CSFR, FIM2, FMS
Gene Description	colony stimulating factor 1 receptor
Omim ID	164770
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	CD115 antigen FMS proto-oncogene McDonough feline sarcoma viral (v-fms) oncogene homolog macrophage colony stimulating factor I receptor soluble CSF1R variant 1

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Hematopoietic cell lineage](#)
- [Pathways in cancer](#)

Disease

- [Asthma](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Lung Neoplasms](#)
- [Myelodysplastic Syndromes](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)

- [Pulmonary Disease](#)
- [Purpura](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)