

PRODUCT INFORMATION

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| Target | CSF1R |
| Synonyms | FMS; CSFR; FIM2; GPSC; HDLS; C-FMS; CD115; HDLS1; CSF-1R; BANDDOS; M-CSF-R |
| Description | Recombinant human CSF1R(20-106) Protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | P07333 |
| Expression Host | HEK293 |
| Tag | C-Human Fc tag |
| Molecular Characterization | CSF1R(Ile20-Arg106) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 35.3 kDa after removal of the signal peptide. The apparent molecular mass of CSF1R(20-106)-hFc is approximately 35-55 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage&Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | 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. [provided by RefSeq, Mar 2017] |
| Usage | Research use only |
| Conjugate | Unconjugated |





Figure 1. Human CSF1R(20-106) Protein, hFc Tag on SDS-PAGE under reducing condition.

