

Recombinant Human CSF1R Protein, His&GST-tagged

Cat. No. CSF1R-1284H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human CSF1R Protein (Val22-Pro401) with N-His&GST tag was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Val22-Pro401 |
| Description | <p>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.</p> |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 56.9 kDa |

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|-------------------------|--|
| | Accurate Molecular Mass: 69 kDa |
| Purity | > 80% |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |
| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in PBS or others. |
| GENE INFORMATION | |
| Gene Name | CSF1R colony stimulating factor 1 receptor [Homo sapiens (human)] |
| Official Symbol | CSF1R |
| Synonyms | CSF1R; colony stimulating factor 1 receptor; FMS; CSFR; FIM2; HDLS; C-FMS; CD115; HDLS1; CSF-1R; BANDDOS; M-CSF-R; macrophage colony-stimulating factor 1 receptor; CD115 antigen; CSF-1 receptor; FMS proto-oncogene; McDonough feline sarcoma viral (v-fms) oncogene homolog; macrophage colony stimulating factor I receptor; proto-oncogene c-Fms; EC 2.7.10.1 |
| Gene ID | 1436 |

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|----------------|-----------|
| mRNA Refseq | NM_005211 |
| Protein Refseq | NP_005202 |
| MIM | 164770 |
| UniProt ID | P07333 |

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