

32-17052: Recombinant human CSF1R protein with C-terminal 6Å—His tag

Uniprot ID : PO7333
Alternative Name : CSF1R,C-FMS,CD115,CSFR,FIM2,FMS,M-CSFR
Immunogen Information : CSF1R (Ile20-Leu514) , 6 His tag C-term

Description

Expression Host : HEK293

The protein has a predicted molecular mass of 55.6 kDa after removal of the signal peptide.

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.

Product Info

Amount : 50 µg
Purification : The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition : Store at -80°C for 12 months (Avoid repeated freezing and thawing)

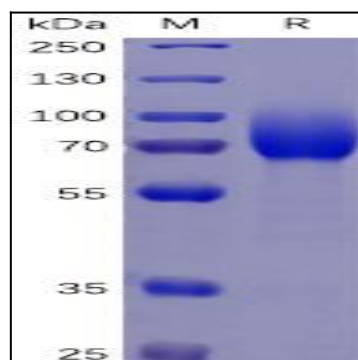


Figure 1. Human CSF1R Protein, His Tag on SDS-PAGE under reducing condition.