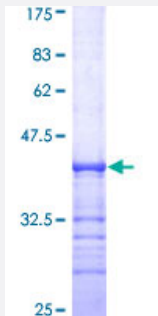


CSF1R (Human) Recombinant Protein (Q01)

Catalog # H00001436-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CSF1R partial ORF (AAH47521, 21 a.a. - 120 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PVIEPSVPELVVKPGATVTLRCVGNGSVEWDGPPSPHWTLYSDGSSSILSTNNATFQNTGTYRCT EPGDPLGGSAAIHLVYKDPARPWNVLAQEVVVFED
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (73); Rat (79)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CSF1R

Entrez GeneID [1436](#)

GeneBank Accession# [BC047521](#)

Protein Accession# [AAH47521](#)

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](#)