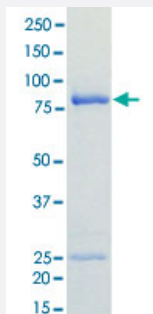


Bioactive

CSF1R (Human) Recombinant Protein

Catalog # P5715 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human CSF1R (NP_005202.2, 538 a.a. - 972 a.a.) partial recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	76
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	77 % by SDS-PAGE/CBB staining.

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip™3000. Substrate : Src tide. ATP: 100 μM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CSF1R

Entrez GeneID	1436
Protein Accession#	NP_005202.2
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](#)