

Recombinant Human CSF1R, GST-tagged, Active

Cat. No. CSF1R-320H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human FMS (539-end) was expressed by baculovirus in <i>Sf9 cells</i> using an N-terminal GST tag. MW=76kDa.
Species	Human
Source	Sf9 Cells
Protein Length	539-end a.a.
Description	FMS is a proto-oncogene that encodes the tyrosine kinase transmembrane receptor for colony stimulating factor 1 (CSF1). FMS is homodimeric that contains a so-called kinase insert domain and is a member of the CSF1/PDGF receptor family of tyrosine-protein kinases. FMS mediates most if not all of the biological effects of CSF1 which control the production, differentiation, and function of cell of the monocyte/macrophage lineage. Mutations in FMS have been associated with providing sustained signals for cell growth and a predisposition to myeloid malignancy.
Sequence	593-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

Gene Name	CSF1R colony stimulating factor 1 receptor [Homo sapiens]
Synonyms	CSF1R; colony stimulating factor 1 receptor; C-FMS; CD115; CSFR; FIM2; FMS; CD115 antigen; FMS proto-oncogene; McDonough feline sarcoma viral (v-fms) oncogene homolog; macrophage colony stimulating factor I receptor; EC 2.7.10.1; soluble CSF1R variant 1
Gene ID	1436
mRNA Refseq	NM_005211
Protein Refseq	NP_005202
UniProt ID	P07333
Chromosome Location	5q33-q35
MIM	164770
Pathway	Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Endocytosis; Pathways in cancer
Function	ATP binding; cytokine binding; macrophage colony stimulating factor receptor activity; nucleotide binding; protein homodimerization activity; receptor activity; transferase activity

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