SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human CSF1R (Colony stimulating factor 1 receptor) expressed in Sf9 for Antibody Discovery

Cat. No.: **MP0127Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 55.1 kDa Human CSF1R membrane protein expressed in Sf9. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
CSF1R

Protein Length
Partial

Protein Class
Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight
55.1 kDa

TMD
1

Sequence
MGPGVLLLLLVATAWHGQGIPVIEPSVPELVVKPGATVTLRCVGNGSVEWDGPPSPHWTLYSDGSSSILSTNNATFQNTGTYRCTE
LANVTTKDTYRHTFTLSLPRLKPSEAGRYSFLARNPGGWRALTFELTLRYPPEVSVIWTFINGSGTLLCAASGYPQPNVTWLQCSGH

Product Description

Expression Systems
Sf9

Tag
C-DDK

Form
Powder

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

CSF1R

Full Name

Colony stimulating factor 1 receptor

Introduction

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.

Alternative Names

C-FMS; CD115; CSF-1R; CSFR; FIM2; FMS; HDLS; 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

Gene ID

1436

UniProt ID

P07333

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