

Product Information

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

Cat. No.: **MP0831J**

This product is for research use only and is not intended for diagnostic use.

This product is a 107.8 kDa Human CSF1R membrane protein expressed in HEK293T. 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

Full-length

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

107.8 kDa

TMD

1

Sequence

MGPGLLLLLLVATAWHGQGIPVIEPSVPELVVKPGATVTLRCVGNNGSVEWDGPPSPHWTLYSDGSSSILS
TNNATFQNTGTYRCTEPGDPLGGSAAIHLVYKDPARPWNVLAQEVVVFEDQDALLPCLLDTPVLEAGVSL
VRVRGRPLMRHTNYSFSPWHGFTIHRAKFIQSQDYQCSALMGGRKVMSSIRLKVQKVIPGPPALTLVPA
ELVRIRGEAAQIVCSASSVDVNFDFLQHNNTKLAHQSDFFHNNRYQKVLTLNLDQVDFQHAGNYSCVA
SNVQGGKHSTSMFFRVVESAYLNLSSSEQNLIQEVTVGEGLNLKVMVEAYPGLQGFNWTYLGPFSDHQPEPK
LANVTTKDTYRHTFTLSLPRPKPSEAGRYSFLARNPGGWRALTFELTLRYPPEVSVIWTFFINGSGTLLCA
ASGYPQPNVTWLQCSGHTDRCDEAQLVQVWDDPYPEVLSQEPFHKVTVQSLLTVETLEHNQTYECRAHNS
VGSWSWAFIPISAGAHTHPPDEFLLFTPVVACMSIMALLLLLLLLLLLYKYKQKPKYQVRWKIIESYEGNS
YTFIDPTQLPYNEKWEFPRNLLQFGKTLGAGAFGKVVVEATAFGLGKEDAVLKVAVKMLKSTAHADKESL
MSELKIMSHLGQHENIVNLLGACTHGGPVLVITEYCCYGDLLNFLRRKAEAMLGPSLSPGQDPEGVDYK
NIHLEKKYVRRDSGFSSQGVDTYVEMRPVSTSSNSDFSEQDLKEDGRPLELRDLLHFSSQVAQGMFLA
SKNCIHRDVAARNVLLTNGHVAKIGDFGLARDIMNDSNYIVKGNARLPVKWMAPEIFDCVYTVQSDVWS
YGILLWEIFSLGLNYPYGGILVNSKFYKLVKDGQMAQPAFAPKNIYSIMQACWALEPTHRPTFQQICSFL
QEQAQEDRRERDYTNLPSSSRSGSGSSSELEEESSSEHLTCCEQGDIAQPLLQPNNYQFC

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

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

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM 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

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

Gene ID

[1436](#)

UniProt ID

[P07333](#)