

Human CellExp™ M-CSF R / CSF1R / CD115, Rabbit Recombinant

CATALOG NO: P1490-10 10 µg
P1490-50 50 µg

ALTERNATE NAMES: CSF1R, C-FMS, CD115, CSFR, FIM2, FMS, M-CSFR

MOL. WT. This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 55.2 kDa. The protein migrates as 66-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

SOURCE: HEK293 cells

PURITY: >90%

ENDOTOXIN: Less than 1.0 EU per µg by the LAL method.

FORM: Lyophilized

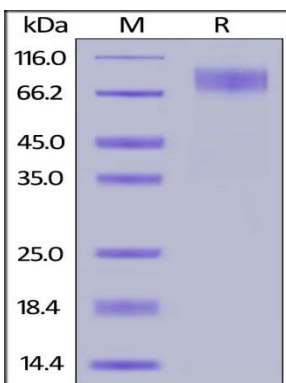
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

RECONSTITUTION: Reconstitute in sterile deionized water to a concentration of 50 µg/ml.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles.

DESCRIPTION: Colony stimulating factor 1 receptor (CSF1R) is also known as macrophage colony-stimulating factor receptor (M-CSFR), CD115 Cluster of Differentiation 115 (CD115), C-FMS, CSFR, FIM2, FMS, and is a member of the type III subfamily of receptor tyrosine kinases (RTKs). CSF1R is a receptor for a cytokine called colony stimulating factor 1, The protein encoded by the CSFR1 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. Mutations in CSF1R are associated with chronic myelomonocytic leukemia and type M4 acute myeloblastic leukemia. Increased levels of CSF1R1 are found in microglia in Alzheimer's disease and after brain injuries. The increased receptor expression causes microglia to become more active. Both CSF1R, and its ligand colony stimulating factor 1 play an important role in the development of the mammary gland and may be involved in the process of mammary gland carcinogenesis.

AMINO ACID SEQUENCE: AA Val 20 - Ser 503



Rabbit M-CSF R, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

RELATED PRODUCTS:

- Human CellExp™ CSF1R / CD115 / CD6, human recombinant (7505)
- Human CellExp™ CSF1R/CD115, Mouse Recombinant (P1080)
- Human CellExp™ CSF1R/CD115, Fc Tag, Human Recombinant (P1374)

FOR RESEARCH USE ONLY! Not to be used on humans.