Human CellExp™ FLT-3, Mouse Recombinant

CATALOG NO:

P1479-10	10 µg
P1479-50	50 µg

ALTERNATE NAMES: Flt-3, Flk-2, STK-1, CD135, FLK2, FLT-3

MOL. WT. This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 59.9 kDa. The protein migrates as 70-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

SOURCE: HEK 293 cells

PURITY: >90%

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

FORM: Lyophilized

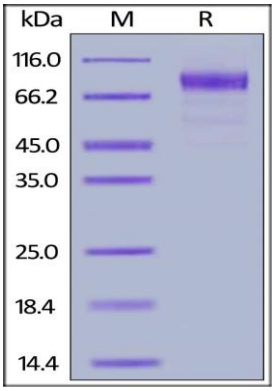
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

RECONSTITUTION: Reconstitute in sterile deionized water to the desired protein concentration.

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

DESCRIPTION: Flt-3(Receptor-type tyrosine-protein kinase FLT3) is also known as FLK-2(Fetal liver kinase-2), STK-1(Stem cell tyrosine kinase 1), CD135. FLT3 is a cytokine receptor which belongs to the receptor tyrosine kinase class III. Tyrosine-protein kinase that acts as cell-surface receptor for the cytokine FLT3LG and regulates differentiation, proliferation and survival of hematopoietic progenitor cells and of dendritic cells. Promotes phosphorylation of SHC1 and AKT1, and activation of the downstream effector MTOR. Promotes activation of RAS signaling and phosphorylation of downstream kinases, including MAPK1/ERK2 and/or MAPK3/ERK1. Mutations that cause constitutive kinase activity promote cell proliferation and resistance to apoptosis via the activation of multiple signaling pathways.

AMINO ACID SEQUENCE: Asn 28 - Ser 544



Mouse Flt-3, His Tag on SDS-PAGE under reducing (R) condition.

RELATED PRODUCTS:

Human CellExp™ FLT-3 Ligand, Mouse Recombinant (P1382)
Human CellExp™ FLT-3 Ligand, Human Recombinant (6452)
Human CellExp™Flt-3 / Flk-2, Fc Tag, Human Recombinant (P1459)

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