Human CellExp™ GM-CSF R alpha, Human Recombinant

CATALOG #: P1380-10
P1380-50

AMOUNT: 10 µg
50 µg

ALTERNATE NAMES: GM-CSF R alpha, GMCSFR-alpha, GMR-alpha, CSF2RA, CSF2R, CSF2RY, CDw116, CD116

MOL. WT. This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 36.4 kDa. The protein migrates as 60-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation

SOURCE: HEK 293 cells

PURITY: >95% as determined by SDS-PAGE

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

FORM: Lyophilized

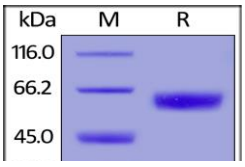
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 100 µg/ml. Do not vortex. It is recommended to store at -20°C.

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: GM-CSF R alpha(Granulocyte-macrophage colony-stimulating factor receptor subunit alpha) is also known as CSF2RA, CD116, GMR-alpha. Low affinity receptor for granulocyte-macrophage colony-stimulating factor. Transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells. Hereditary pulmonary alveolar proteinosis (hPAP) is a rare disorder of pulmonary surfactant accumulation and hypoxemic respiratory failure caused by mutations in CSF2RA (encoding the granulocyte/macrophage colony-stimulating factor [GM-CSF] receptor α-chain [CD116]), which results in reduced GM-CSF-dependent pulmonary surfactant clearance by alveolar macrophages.

AMINO ACID SEQUENCE: AA Glu 23 - Gly 320



Gentaur

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Human GM-CSF R alpha, His Tag on SDS-PAGE under reducing (R) condition.

RELATED PRODUCTS:

GM-CSF, murine recombinant (4101)
GM-CSF, human recombinant (4100)
Human CellExp™ GM-CSF, Human Recombinant (6454)

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