Human CellExp™ LILRB4, Cynomolgus Recombinant

CATALOG NO:
P1199-10 10 µg
P1199-50 50 µg

ALTERNATE NAMES: LILRB4, ILT3, LIR5, CD85K, HM18

SOURCE: HEK 293 cells (Gln 22 - Glu 259)

PURITY: > 90% by SDS – PAGE

MOL. WEIGHT: This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 28.0 kDa. The protein migrates as 38 kDa under reducing (R) condition (SDS-PAGE) due to Glycosylation.

ENDOTOXIN LEVEL: < 1.0 EU per 1µg of protein (determined by LAL method)

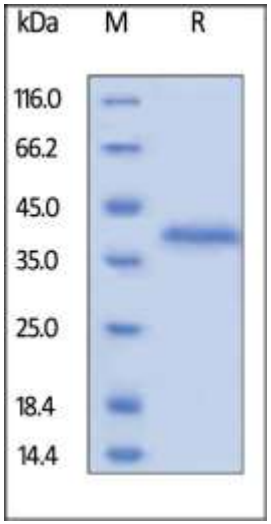
FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.

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.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month.

DESCRIPTION: Leukocyte immunoglobulin-like receptor subfamily B member 4 (LILRB4) is also known as CD85 antigen-like family member K (CD85K), Immunoglobulin-like transcript 3 (ILT-3), Leukocyte immunoglobulin-like receptor 5 (LIR-5), Monocyte inhibitory receptor HM18, which belongs to the leukocyte immunoglobulin-like receptor (LIR) family. LILRB4 / CD85K contains 2 Ig-like C2-type (immunoglobulin-like) domains. CD85K is detected in monocytes, macrophages, dendritic cells, lung, natural killer cells and B-cells. LILRB4 / CD85K is receptor for class I MHC antigens. CD85K recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles, involved in the down-regulation of the immune response and the development of tolerance. LILRB4 interferes with TNFRSF5-signaling and NF-kappa-B up-regulation and inhibits receptor-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.



Cynomolgus LILRB4, His Tag on SDS-PAGE under reducing (R) condition

RELATED PRODUCT:

- Human CellExp™ TNFRSF10B /TRAILR2, human recombinant **(Cat. No. 7448-10)**
- Human CellExp™ CD155, human recombinant **(Cat. No. 7462-10, -50)**
- Human CellExp™ CD160/BY55, human recombinant **(Cat. No. 7386-10, -50)**
- Human CellExp™ CD166/ ALCAM, human recombinant **(Cat. No. 7437-10, -50)**
- Human CellExp™ CD172A / SIRP, human recombinant (**Cat. No. 7506-10, -50)**
- Human CellExp™ CD33 / SIGLEC-3, human recombinant **(Cat. No. 7370-10, -50)**
- Human CellExp™ CD47, human recombinant **(Cat. No. 7385-10, -50)**
- Human CellExp™ CD55/DAF, human recombinant **(Cat. No. 7432-10, -50)**
- Human CellExp™ CD58 /LFA-3, human recombinant **(Cat. No. 7427-10, -50)**
- Human CellExp™ CD62E/E-Selectin, human recombinant **(Cat. No. 7434-20, -100)**
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (**Cat. No. 7279-10, -50**
- Human CellExp™ CD273, human recombinant **(Cat. No. 7369-10, -50)**
- Human CellExp™ CD36, human recombinant **(Cat. No. 7371-10, -50)**
- Human CellExp™ CD87, human recombinant **(Cat. No. 7372-20, -100)**

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