



Recombinant Protein Technical Manual

Recombinant Human ILT6/LILRA3 Protein (Fc Tag)

RPES3820

Product Data:

Product SKU: RPES3820

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: AAH28208.1

Protein Information:

Molecular Mass: 72 kDa

AP Molecular Mass: 102 kDa

Tag: C-Fc

Bio-activity:

Purity: > 80 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Leukocyte immunoglobulin-like receptor subfamily A member 3; CD85 antigen-like family member E; Immunoglobulin-like transcript 6; ILT-6; Leukocyte immunoglobulin-like receptor 4; LIR-4 and Monocyte inhibitory receptor HM43/HM31;CD85e;HM31;HM43;ILT6;LIR-4;LIR4

Immunogen Information:

Sequence: Met 1-Glu439

Background:

ILT6, also known as LILRA3, belongs to the ILT family. In human, the ILT gene family includes up to 11 members. The extracellular portion of all members includes at least two and usually four immuno-globulin domains. ILT-2 through 5 are all inhibitory members having variable numbers of cytoplasmic ITIM domains. ILT6 lacks a transmembrane domain. The function of ILT6 is currently unknown. However, it is highly homologous to other LILR genes, and can bind human leukocyte antigen (HLA) class I. Therefore, if secreted, the ILT6 might impair interactions of membrane-bound LILRs (such as LILRB1, an inhibitory receptor expressed on effector and memory CD8 T cells) with their HLA ligands, thus modulating immune reactions and influencing susceptibility to disease.