



Recombinant Protein Technical Manual

Recombinant Human LILRB4/CD85k/ILT3 Protein (aa
1-257, Fc Tag)
RPES0715

Product Data:

Product SKU: RPES0715

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_001265356.2

Protein Information:

Molecular Mass: 52.8 kDa

AP Molecular Mass:

Tag: C-Fc

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg of the protein 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: CD85K;ILT-3;ILT3;LIR-5;LIR5

Immunogen Information:

Sequence: Met 1-His257

Background:

The leukocyte immunoglobulin-like receptor (LILR) B4 belongs to a family of cell surface receptors that possesses cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). LILRB4 is believed to down-regulate activation signals mediated by non-receptor tyrosine kinase cascades through the recruitment of SHP. LILRB4 is associated with the pathological processes of various inflammatory diseases. The LILRB4 is a central inhibitory receptor in uterine dendritic cells (uDCs) that plays essential immune-regulatory roles at the maternal-fetal interface.