



Recombinant Protein Technical Manual

Recombinant Human LAT2 Protein (His Tag)

RPES3630

Product Data:

Product SKU: RPES3630

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9GZY6

Protein Information:

Molecular Mass: 25.0 kDa

AP Molecular Mass: 35-40 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % 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 a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

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

Application:

Synonyms: Linker for Activation of T-Cells Family Member 2; Linker for Activation of B-Cells; Membrane-Associated Adapter Molecule; Non-T-Cell Activation Linker; Williams-Beuren Syndrome Chromosomal Region 15 Protein; Williams-Beuren Syndrome Chromosomal Region 5 Protein; LAT2; LAB; NTAL; WBS15; WBSCR15; WBSCR5

Immunogen Information:

Sequence: Arg27-Ala243

Background:

Linker for Activation of T-Cells Family Member 2 (LAT2) is a single-pass type III membrane protein. LAT2 is highly expressed in the spleen, peripheral blood lymphocytes, and germinal centers of lymph nodes. LAT2 is involved in FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. It may also be involved in BCR (B-cell antigen receptor)-mediated signaling in B-cells and FCGR1 (high affinity immunoglobulin gamma Fc receptor I)-mediated signaling in myeloid cells. Coupling activate of these receptors and their associated kinases with distal intracellular events through the recruitment of GRB2.