

Recombinant Human LAT2 Protein (His Tag)

Catalog No. PKSH032707

Note: Centrifuge before opening to ensure complete recovery of vial contents.

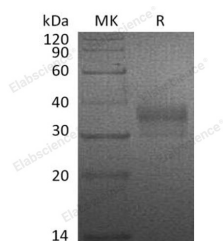
Description

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
Species	Human
Expression Host	HEK293 Cells
Sequence	Arg27-Ala243
Accession	Q9GZY6
Calculated Molecular Weight	25.0 kDa
Observed molecular weight	35-40 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

For Research Use Only

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 D)-mediated signaling in myeloid cells. Coupleing activate of these receptors and their associated kinases with distal intracellular events through the recruitment of GRB2.

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