

AR09471PU-L

Human LAT2 / WBSCR15 (27-243, His-tag) - Purified

Alternate names:

HSPC046, LAB, LLinker for activation of B-cells, Linker for activation of T-cells family member 2, Membrane-associated adapter molecule, NTAL, Non-T-cell activation linker, WBS15, WBSCR5, Williams-Beuren syndrome chromosomal region 15 protein

Quantity:

0.5 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

NTAL (non-T cell activation linker), as known as LAT2, is transmembrane adaptor protein (TRAP) associated with glycolipid-enriched membrane fractions (GEM or lipid rafts). This protein is primarily expressed in spleen and hematopoietic cells, such as B cells, mast cells, NK cells, and monocytes, but not resting T cells. Defects in NTAL may be a cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS).

Uniprot ID:

[Q9GZY6](#)

NCBI:

[NP_115853](#)

GenelD:

[7462](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >80% by SDS - PAGE

Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

Description:

Recombinant human NTAL, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MRCSRPGAKR SEKIYQQRSL REDQQSFTGS RTYSLVGQAW
PGPLADMAPT RKDKLLQFYP SLEDPASSRY QNFSKGSRHG SEEAYIDPIA MEYYNWGRFS
KPPEDDDANS YENVLICKQK TTETGAQQEG IGGLCRGDLS LSLALKTGPT SGLCPASPE
EDEESEDYQN SASIHQWRES RKVMGQLQRE ASPGPVGS PD EEDGE PDYVN GEVAATEA

Molecular weight: 26.2 kDa (238 aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

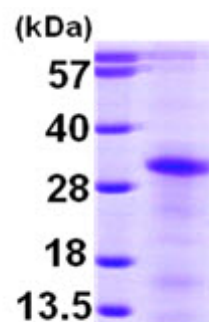
Shelf life: one year from despatch.

General Readings:

Naumann M., et al. (2010) Cell Signal. 22(3):395-403.

Gilfillan AM., et al. (2008). Int J Biochem Cell Biol. 39(5): 868–873.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human NTAL, 27-243 aa,
His-tagged: 15% SDS-PAGE (3 ug)

