

Recombinant human NTAL protein

Catalog Number: ATGP0561

PRODUCT INFORMATION

Expression system

E.coli

Domain

27-243aa

UniProt No.

Q9GZY6

NCBI Accession No.

NP_115853.2

Alternative Names

Non-T-cell activation linker, LAT2, HSPC046, LAB, WBSCR15, WBSCR5, WSCR5, Non-T-cell activation linker LAB, Lat2, Linker for activation of B cells, Linker for activation of T cells family member 2, Membrane associated adapter molecule, Non T cell activation linker, WBSCR 5, Wbscr15, Williams Beuren syndrome chromosome region 15, Williams Beuren syndrome chromosome region 5

PRODUCT SPECIFICATION

Molecular Weight

26.2 kDa (238aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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may be a cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS). Recombinant human NTAL, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

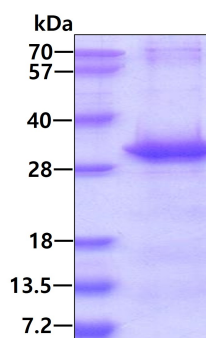
<MGSSHHHHHH SSGLVPRGSH M>RCSRPGAKR SEKIYQQRSL REDQQSFTGS RTYSLVGQAW PGPLADMAPT
RKDKLLQFYP SLEDPASSRY QNFSKGSRHG SEEAYIDPIA MEYYNWGRFS KPPEDDDANS YENVLICKQK TTETGAQQEG
IGGLCRGDLS LSLALKTGPT SGLCPSASPE EDEESEDYQN SASIHQWRES RKVMGQLQRE ASPGPVGSPD EEDGEPTYVN
GEVAATEA

General References

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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.