

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 SGLVPRGSH M>RCSRPGAKR SEKIYQQRSL REDQQSFTGS RTYSLVGQAW PGPLADMAPT
RKDKLLQFYP SLEDPASSRY QNFSKGSRHG SEEAYIDPIA MEYYNWGRFS KPPEDDDANS YENVLICKQK TTETGAQQEG
IGGLCRGDLS LSLALKTGPT SGLCPSASPE EDEESEDYQN SASIHQWRES RKVMGQLQRE ASPGPVGSPP EEDGEPTYVN
GEVAATEA

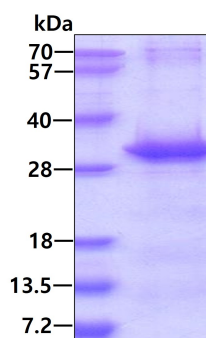
General References

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.