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## Recombinant human NTAL protein

Catalog Number: ATGP0561

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

### **Domain**

27-243aa

### UniProt No.

O9GZY6

## **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**

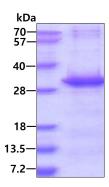
<MGSSHHHHHH SSGLVPRGSH M>RCSRPGAKR SEKIYQQRSL REDQQSFTGS RTYSLVGQAW PGPLADMAPT RKDKLLQFYP SLEDPASSRY QNFSKGSRHG SEEAYIDPIA MEYYNWGRFS KPPEDDDANS YENVLICKQK TTETGAQQEG IGGLCRGDLS LSLALKTGPT SGLCPSASPE EDEESEDYQN SASIHQWRES RKVMGQLQRE ASPGPVGSPD EEDGEPDYVN GEVAATEA

## **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.

