

# Recombinant human SH2D1A protein

Catalog Number: ATGP0783

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-128aa

### UniProt No.

O60880

### NCBI Accession No.

NP\_002342

### Alternative Names

SH2 domain-containing protein 1A, DSHP, EBVS, IMD5, LYP, MTCP1, SAP, XLP, XLPD

## PRODUCT SPECIFICATION

---

### Molecular Weight

16.3 kDa (148aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4)

### Purity

> 95% 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

SH2D1A is an inhibitor of the signaling lymphocyte activation molecule (SLAM) self-association. This protein is expressed at a high level in thymus and lung, with a lower level of expression in spleen and liver. Defects in SH2D1A are a cause of X-linked lymphoproliferative disease (XLPD) also known as Duncan disease. XLPD is characterized by a rare congenital immunodeficiency following Epstein-Barr virus (EBV) infection. Recombinant human SH2D1A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

# Recombinant human SH2D1A protein

Catalog Number: ATGP0783

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MDAVAVYHGK ISRETGEKLL LATGLDGSYL LRDSESVPGV YCLCVLYHGY  
IYTYRVSQTE TGSWSAETAP GVHKRYFRKI KNLISAFQKP DQGIVIPLOY PVEKKSSARS TQGTGIREDD PDVCLKAP

## General References

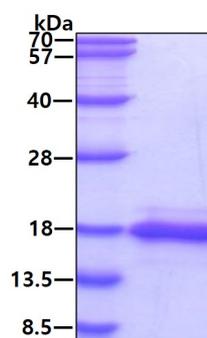
Schwartzberg PL., et al. (2010) Immunity. 32(2):253-65.

Lenardo MJ., et al (2009) J Clin Invest. 119(10):2976-89

## DATA

---

### SDS-PAGE



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