

## SH2D1A Human

**Description:**SH2D1A Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 148 amino acids (1-128 a.a.) and having a molecular mass of 16.3kDa. The SH2D1A is purified by proprietary chromatographic techniques.

Catalog #:PRPS-013

For research use only.

**Synonyms:**SH2 domain-containing protein 1A, Duncan disease SH2-protein, Signaling lymphocytic activation molecule-associated protein, SLAM-associated protein, T-cell signal transduction molecule SAP, SH2D1A, DSHP, SAP, LYP, XLP, EBVS, IMD5, XLPD, MTCP1, FLJ18687, F

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SGLVPRGSH MDAVAVYHGK ISRETGEKLL  
LATGLDGSYL LRDSSEVPGV YCLCVLYHGY IYTYRVSQTE TGSWSAETAP GVHKRYFRKI  
KNLISAFQKP DQGIVIPLQY PVEKSSARS TQGTGIREDD PDVCLKAP.

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The SH2D1A solution (1 mg/ml) contains 20mM Tris-HCl Buffer (pH 7.5), 1mM DTT and 10% Glycerol.

### Stability:

SH2D1A should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

SH2D1A acts as an inhibitor of the signaling lymphocyte activation molecule (SLAM) self-association. The SH2D1A protein is expressed at a high level in the thymus and the lung, with a lower level of expression in the spleen and the liver. The SH2D1A protein contains an SH2 domain and a short tail. SH2D1A has a key role in the bidirectional stimulation of T and B cells. Defects in the SH2D1A gene cause the X-linked lymphoproliferative disease (XLPD), aka Duncan disease. The XLPD is distinguished by a rare congenital immunodeficiency following an EBV infection (Epstein-Barr virus).

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