

## 32-4837: Recombinant Human SH2 domain containing 1A

**Alternative Name :** 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, FLJ186

### Description

Source : Escherichia Coli. 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. 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).

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The SH2D1A solution (1 mg/ml) contains 20mM Tris-HCl Buffer (pH 7.5), 1mM DTT and 10% Glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MDAVAVYHGK ISRETGEKLL LATGLDGSYL LRDSSEVPGV YCLCVLYHGY IYTYRVSQTE TGWSAETAP GVHKRYFRKI KNLISAFQKP DQGIVIPLOQY PVEKKSSARS TQGTGIREDDVCLKAP.

