

SH2D1A, 1-128aa, Human, His tag, E.coli

Cat.NO.: TP03922

3th Edition

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

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.

Form:Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 1 mM DTT, 10% Glycerol

Molecular Weight:16.3 kDa(148aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMDAVAVYHGKISRETGEKLLLATGLDGSYLLRDSESVPGVYCLCVLYHGYIYTYR
VSQTETGSWSAETAPGVHKRYFRKIKNLISAFQKPDQGIVIPVLPVEKKSSARSTQGTTGIREDPDVCLKAP

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.