9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SH2D1A Human

SH2 domain containing 1A Human Recombinant
RCP2080

Product Overview

Name	SH2D1A Human
Description	
SH2 domain containing 1A Human Recombinant	
Accession (Primary)	O60880
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, FLJ92177, SAP/SH2D1A.	
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).	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The SH2D1A solution (1 mg/ml) contains 20mM Tris-HCl Buffer (pH 7.5), 1mM DTT and 10% Glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MDAVAVYHGK ISRETGEKLL LATGLDGSYL LRDSESVPGV YCLCVLYHGY	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IYTYRVSQTE TGSWSAETAP GVHKRYFRKI KNLISAFQKP DQGIVIPLQY PVEKKSSARS TQGTTGIRED PDVCLKAP.

Precautions

SH2D1A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O60880)