



# Recombinant Protein Technical Manual

## Recombinant Human SH2D1A/SAP Protein (His Tag)

RPES3073

### Product Data:

**Product SKU:** RPES3073

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** NP\_002342.1

### Protein Information:

**Molecular Mass:** 16.3 kDa

**AP Molecular Mass:** 16 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, 10% Glycerol, pH 7.5.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**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;EBVS;IMD5;LYP;MTCP1;SAP/SH2D1A;XLP;XLPD;XLPD1

## Immunogen Information:

**Sequence:** Met 1-Pro128

## Background:

SH2 Domain-Containing Protein 1A,(SH2D1A) contains one SH2 domain and a short tail and is localized in the cytoplasm. SH2D1A is expressed at a high level in the thymus and the lung, with lower expression levels in the spleen and the liver. SH2D1A acts as an inhibitor of the signaling lymphocyte activation molecule (SLAM) self-association. In addition, SH2D1A mediates interaction between FYN and SLAMF1. It is also thought to regulate the activity of the neurotrophin receptors NTRK1, NTRK2 and NTRK3.