

Recombinant Human SH2D1A Protein, MYC/DDK-tagged

Cat. No. SH2D1A-22H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human SH2 domain protein 1A (SH2D1A), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	This gene encodes a protein that plays a major role in the bidirectional stimulation of T and B cells. This protein contains an SH2 domain and a short tail. It associates with the signaling lymphocyte-activation molecule, thereby acting as an inhibitor of this transmembrane protein by blocking the recruitment of the SH2-domain-containing signal-transduction molecule SHP-2 to its docking site. This protein can also bind to other related surface molecules that are expressed on activated T, B and NK cells, thereby modifying signal transduction pathways in these cells. Mutations in this gene cause lymphoproliferative syndrome X-linked type 1 or Duncan disease, a rare immunodeficiency characterized by extreme susceptibility to infection with Epstein-Barr virus, with symptoms including severe mononucleosis and malignant lymphoma. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	14 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name SH2D1A SH2 domain containing 1A [Homo sapiens (human)]

Official Symbol SH2D1A

Synonyms SH2D1A; SH2 domain containing 1A; LYP; SAP; XLP; DSHP; EBVS; IMD5; XLPD; MTCP1; XLPD1; SAP/SH2D1A; SH2 domain-containing protein 1A; Duncan disease SH2-protein; LAM associated protein/SH2 domain protein 1A; SLAM-associated protein; T cell signal transduction molecule SAP; signaling lymphocyte activation molecule-associated protein; signaling lymphocytic activation molecule-associated protein

Gene ID 4068

mRNA Refseq NM_002351

Protein Refseq NP_002342

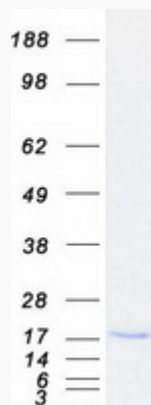
MIM 300490

UniProt ID O60880

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