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Datasheet for ABIN7317640 SH2D1A Protein (His tag)



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Quantity:	100 µg
Target:	SH2D1A
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SH2D1A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SH2D1A/SAP Protein (His Tag)(Active)
Sequence:	Pro 2-Lys 97
Characteristics:	A DNA sequence encoding the human SH2D1A isoform 1 (NP_002342.1) (Pro 2-Lys 97) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 94 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	 Measured by its ability to bind recombinant human SLAMF1 in a functional ELISA.2. Measured by its ability to bind recombinant human SLAMF6 in a functional ELISA.3. Measured by its ability to bind recombinant mouse SLAMF6 in a functional ELISA.4. Measured by its ability to bind recombinant mouse CD84 in a functional ELISA.

Target Details

Target:

SH2D1A

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Alternative Name:	SH2D1A/SAP (SH2D1A Products)
Background:	Background: SH2 domain-containing protein 1A (SH2D1A / SAP) is a 128 amino acid protein,
	containing a single Src homology 2 (SH2) domain, flanked by 5 amino acids at the N-terminus
	and 25 amino acids at the C-terminus. The absence of a catalytic domain and the presence of
	an SH2 domain suggest that SH2D1A regulates one or more signal transduction pathways.
	SH2D1A interacts with signaling lymphocytic activation molecule (SLAM), which is a
	transmembrane protein expressed on the surface of activated T and B cells. SH2D1A (SAP)
	interacts via its SH2 domain with a motif (TIYXXV) present in the cytoplasmic tail of the cell-
	surface receptors, including CD150 / SLAM, CD84, CD229 / Ly-9, and CD244 / 2B4. SH2D1A
	was expressed in EBV-carrying, tumor phenotype representative (type I), but not in EBV-carrying
	lymphoblastoid cell line (LCL)-like (type III) or EBV-negative Burkitt lymphoma (BL) lines. It has
	been supposed to be related to the X-linked lymphoproliferative disease which is also known as
	Duncan's disease or Purtilo syndrome.
	Synonym: 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
Molecular Weight:	15.6 kDa
NCBI Accession:	NP_002342
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.5, 20 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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