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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SH2D1A FISH Probe

Catalog # : FA0470

規格 : [200 uL]

List All

Specification

Product Description:	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology)
Supplied Product:	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction:	Store at 4°C in the dark.
Origin:	Human
Source:	Genomic DNA
Notice:	We strongly recommend the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status:	For research use only (RUO)

Application Image

Fluorescent In Situ Hybridization (Cell)

Applications

Fluorescent In Situ Hybridization (Cell)

 [Protocol Download](#)

Gene Information

Entrez GeneID: [4068](#)

Gene Name: SH2D1A

Gene Alias: DSHP,EBVS,FLJ18687,FLJ92177,IMD5,LYP,MTCP1,SAP,XLP,XLPD

Gene Description: SH2 domain protein 1A

Omim ID: [300490](#), [308240](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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. [provided by RefSeq]

Other Designations: [Duncan's disease](#), [OTTHUMP00000023976](#), [SLAM-associated protein](#), [T cell signal transduction molecule SAP](#), [signaling lymphocyte activation molecule-associated protein](#)

Gene Pathway

[Natural killer cell mediated cytotoxicity](#)

Related Disease

[Common Variable Immunodeficiency](#) [Epstein-Barr Virus Infections](#)
[Genetic Predisposition to Disease](#) [Immunologic Deficiency Syndromes](#)
[Infectious Mononucleosis](#) [Lymphoma](#) [Lymphoproliferative Disorders](#)
[Severe Combined Immunodeficiency](#)

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