

Datasheet for ABIN6700863
VAV1 Protein (GST tag)



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Overview

Quantity:	20 µg
Target:	VAV1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This VAV1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	VAV1 recombinant protein-GST fusion protein
Purification:	Recombinant human VAV1 (amino acids 73-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >70% by densitometry.
Purity:	>70%

Target Details

Target:	VAV1
Alternative Name:	VAV1 (VAV1 Products)
Background:	Synonyms: VAV, Proto-oncogene vav Background: VAV1 is a member of the VAV gene family which are guanine nucleotide exchange factors (GEFs) for Rho family GTPases. VAV1 activates pathways leading to actin cytoskeletal

Target Details

rearrangements and transcriptional alterations. VAV1 is important in hematopoiesis, playing a role in T-cell and B-cell development and activation (1). VAV1 has been identified as the specific binding partner of Nef proteins from HIV-1. Co-expression and binding of Nef with VAV1 initiates profound morphological changes, cytoskeletal rearrangements and the JNK/SAPK signaling cascade, leading to increased levels of viral transcription and replication. VAV1 proto-oncogene participates in the signaling processes that mediate the antigen-induced activation of B lymphocytes (2). VAV1 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Apoptosis/Autophagy, ERK/MAPK Pathway, JNK/SAPK Pathway, and p38 Pathway research.

NCBI Accession:	NM_005428
Pathways:	TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , CXCR4-mediated Signaling Events , BCR Signaling

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: VAV1 Protein is suitable for use in Western Blot. Expect a band approximately ~120 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.05 µg/µL
Buffer:	VAV1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months