9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

VAV1 Human

Vav 1 Guanine Nucleotide Exchange Factor Human Recombinant
RCP2544

Product Overview

Name	VAV1 Human

Description

Vav 1 Guanine Nucleotide Exchange Factor Human Recombinant

Accession (Primary)	P15498

Synonyms

Vav 1 Guanine Nucleotide Exchange Factor, VAV, Vav 1 Oncogene, Proto-Oncogene Vav.

Introduction

Vav 1 Guanine Nucleotide Exchange Factor (VAV1), belongs to the VAV gene family. The VAV1 proteins are guanine nucleotide exchange factors (GEFs) for Rho family GTPases which activate pathways leading to actin cytoskeletal rearrangements and transcriptional alterations. VAV1 is essential in hematopoiesis, taking part in T-cell and B-cell development and activation. VAV1 has been identified as the specific binding partner of Nef proteins from HIV-1. In addition, VAV1 contains an SH2 domain, which could show its function as a substrate for tyrosine kinases. Expression of VAV1 is limited solely to cells of hematopoietic origin, as well as those of the erythroid, lymphoid and myeloid lineages. Among the diseases associated with VAV1 are cherubism, and hiv-1.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

VAV1 protein solution (0.25mg/ml) containing In 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 30% glycerol and 2mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

Purity

Greater than 85% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MTEYDKR CCCLREIQQT EEKYTDTLGS IQQHFLKPLQ RFLKPQDIEI

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IFINIEDLLR VHTHFLKEMK EALGTPGAAN LYQVFIKYKE RFLVYGRYCS QVESASKHLD RVAAAREDVQ MKLEECSQRA NNGRFTLRDL LMVPMQRVLK YHLLLQELVK HTQEAMEKEN LRLALDAMRD LAQCVNEVKR DNETLRQITN FQLSIENLDQ SLAHYGRPKI DGELKITSVE RRSKMDRYAF LLDKALLICK RRGDSYDLKD FVNLHSFQVR DDSSGDRDNK KWSHMFLLIE DQGAQGYELF FKTRELKKKW MEQFEMAISN IYPENATANG HDFQMFSFEE TTSCKACQML LRGTFYQGYR CHRCRASAHK ECLGRVPPCG

Precautions

VAV1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P15498)