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32-5218: Recombinant Human Vav 1 Guanine Nucleotide Exchange Factor

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

Description

Source : Escherichia Coli. VAV1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 400 amino acids (189-565a.a) and having a molecular mass of 46.8kDa.VAV1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	"Greater than 85% as determined by SDS-PAGE."
Content :	VAV1 protein solution (0.25mg/ml) containing In 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 30% glycerol and 2mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMTEYDKR CCCLREIQQT EEKYTDTLGS IQQHFLKPLQ RFLKPQDIEI 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

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