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Product datasheet for TP526734

Vav3 (NM_146139) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse vav 3 oncogene (Vav3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226734 representing NM_146139 Red=Cloning site Green=Tags(s) MPIFTFVSEQGPFKPPEKRTNGLRRASRQVDPGLPKMQVIRNYTGTPAPGLHEGPPLHIQAGDTVELLRG DAHSVFWQGRNLASGEVGFFPSDAVKPSPCVPKPVDYSCQPWYAGPMERLQAETELINRVNSTYLVRHRT KESGEYAISIKYNNEAKHIKILTRDGFFHIAENRKFKSLMELVEYYKHHSLKEGFRTLDTTLQFPYKEPE QPAGQRGNRTGNSLLSPKVLGIAIARYDFCARDMRELSLLKGDMVKIYTKMSANGWWRGEVNGRVGWFPS TYVEEDE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	33.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_666251
Locus ID:	57257
UniProt ID:	Q9R0C8

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RefSeq Size:	3061
Cytogenetics:	3 F3
RefSeq ORF:	861
Synonyms:	A530094I06Rik; AA986410; Idd18.1
Summary:	Exchange factor for GTP-binding proteins RhoA, RhoG and, to a lesser extent, Rac1. Binds physically to the nucleotide-free states of those GTPases (By similarity). Plays an important role in angiogenesis. Its recruitment by phosphorylated EPHA2 is critical for EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly. May be important for integrin-mediated signaling, at least in some cell types. In osteoclasts, along with SYK tyrosine kinase, required for signaling through integrin alpha-v/beta-1 (ITAGV-ITGB1), a crucial event for osteoclast proper cytoskeleton organization and function. This signaling pathway involves RAC1, but not RHO, activation. Necessary for proper wound healing. In the course of wound healing, required for the phagocytotic cup formation preceding macrophage phagocytosis of apoptotic neutrophils. Responsible for integrin beta-2-mediated macrophage adhesion and, to a lesser extent, contributes to beta-3-mediated adhesion. Does not affect integrin beta-1-mediated adhesion.[UniProtKB/Swiss-Prot Function]