

Product datasheet for PH320550

VAV3 (NM_006113) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	VAV3 MS Standard C13 and N15-labeled recombinant protein (NP_006104)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220550
Predicted MW:	97.6 kDa
Protein Sequence:	>RC220550 representing NM_006113 Red=Cloning site Green=Tags(s)

MEPWKQCAQWLIHCKVLPNHRVTWDSAQVFDLAQTLRDGVLLCQLLNNLRAHSINLKEINLRPQMSQFL
CLKNIRTFLTACCETFGMRKSELFEAFDLFDVRDFGKVIETLSRLSRTPIALATGIRPFPTSEESINDEDI
YKGLPDLIDETLVEDEEDLYDCVYGEDEGGEVYEDLMKAEAAHQPKCPENDIRSCCLAEIKQTEEKYTET
LESIEKYFMAPLKRFLTAAEFDSVFINIPELVKLHRNLMQEIHDSIVNKNQDNLVQVFINYKERLVIYGG
YCSGVESAISSLDYISKTKEDVKLLEECSTRANNKFTLRDLLVVPMQRVLYHLLQLVKTHTDPTTE
KANLKLALDAMKDLAQYVNEVKRDNETLREIKQFQLSIENLNQPVLLFGRPQGDGEIRITLTKHTKQER
HIFLFDLAVIVCKRKGDNEMKEIIDLQQYKIANNPTTDKENKKWSYGFYLIHTQGQNGLEFYCKTKDLK
KKWLEQFEMALSNIRPDYADSNFHDFKMHTFTRVTSCKVCQMLLRGTFYQGYLCFKCGARAHKECLGRVD
NCGRVNSGEQGTLLKPEKRTNGLRRTPKQVDPGLPKMQVIRNYSCTPPALHEGPSLHLQAGDTEVLLKG
DAHSLFWQGRNLASGEVGFPPSDAVKPCVCPKVDYSCOPWYAGAMERLQAETELINRVNSTYLVRHRT
KESGEYASIKYNNEAKHIKILTRDGFHIAENRFKSLMELVEYKHHSLKEGFRTLDITLQFPYKEPE
HSAGQRGNRAGNSLLSPKVLGIAIARYDFCARDMRELSLLKGDVVKIYTKMSANGWWRGEVNGRVGWFP
TYVEEDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_006104](#)

RefSeq Size: 4768

RefSeq ORF: 2541

Locus ID: 10451

UniProt ID: [Q9UKW4](#)

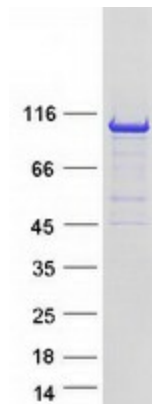
Cytogenetics: 1p13.3

Summary: This gene is a member of the VAV gene family. The VAV proteins are guanine nucleotide exchange factors (GEFs) for Rho family GTPases that activate pathways leading to actin cytoskeletal rearrangements and transcriptional alterations. This gene product acts as a GEF preferentially for RhoG, RhoA, and to a lesser extent, RAC1, and it associates maximally with the nucleotide-free states of these GTPases. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: B cell receptor signaling pathway, Chemokine signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration, Natural killer cell mediated cytotoxicity, Regulation of actin cytoskeleton, T cell receptor signaling pathway

Product images:



Coomassie blue staining of purified VAV3 protein (Cat# [TP320550]). The protein was produced from HEK293T cells transfected with VAV3 cDNA clone (Cat# [RC220550]) using MegaTran 2.0 (Cat# [TT210002]).