

Recombinant Rat VAV Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52396

Size: 10ug, 100ug

Protein Name: Proto-oncogene vav (p95)

Synonym: Vav1, Vav

UniProt ID: P54100

UniProt Link: www.uniprot.org/uniprotkb/P54100/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 843 AA

Molecular Weight: 98 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MELWRQCTHWLIQCRVLPPSHRVTWEGAQVCELAQALRDGVLLCQLLNLLPHAINLREVNLRPQM
SQFLCLKNIRTFLLSTCCEKFGLKRSELF EAFDLFDVQDFGKVIYTLSALSWTPIAQNKGIMPFP TEDSA
LGDEDIYSGLSDDQIDDTAEDEDEDLYDCVENEEAEGDEIYEDLMRSESVPTPPKMTEYDKRCCCLREI
QQTEEKYTDLTLSIQQHFMKPLQRFLKPQDMETIFVNIEELLSVHTHFLKELKDALSGPGATMLYQVF
IKYKERFLVYGRYCSQVESAIKHLDQVATAREDVQMKLEECSSQRANNGRFTLRDLLMVPMQVRVLKY
HLLLQELVKHTQDTEKENLRLALDAMRDLAQCNEVKRDNETLRQITNFQLSIENLDQSLANYGRP
KIDGELKITSVERRSKTDRYAFLLDKALLICKRRGDSYDLKASVNLHSFQVRDDSSGERDNKKWSHM
FLIEDQGAQGYELFFKTRELKKKWMEQFEMASNIYPENATANGHDFQMFSFEETTSCKACQMLLR
GTFYQGYRCYRCRAHKECLGRVPPCGRQDFSGTMKKDKLHRRRAQDKKRNELGLPKMEVCQEY
YGIPPPPGAFAFPFLRLNPGDIVELTKAEAEHTWWEGRNTATNEVGWFCNRRVRYVHGPPQDLSV
HLWYAGPMERAGAEGLTNRSDGTYLVRQRVKDTAEFAISIKYNVEVKHIKIMTSEGLYRITEKKA
GLPELVEFYQQNSLKDCFKSLDTTLQFPYKEPERRAINKPPVGSTKYFGTAKARYDFCARDRSELSL
KEGDIILNKKGGQGWWRGEIYGRIGWFPSNYVEEDYSEYC

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Proto-oncogene vav (p95) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Couples tyrosine kinase signals with the activation of the Rho/Rac GTPases, thus leading to cell differentiation and/or proliferation.

Subcellular Localization: N/A

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.