

Product datasheet

Recombinant Human Vav proteins ab172184

1 Image

Description

**Product name** Recombinant Human Vav proteins

**Purity** > 70 % Densitometry.

**Expression system** Baculovirus infected Sf9 cells

**Accession** [NM\\_005428](#)

**Protein length** Protein fragment

**Animal free** No

**Nature** Recombinant

**Species** Human

**Sequence**

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PPFTEEESVGDEDIYSGLSQIDDTVEEDEDLYDCVE
NEEAEGDEIYEDL
MRSEPVSMPPKMTEYDKRCCCLREIQQTEEKYDTLQ
SIQQHFLKPLQRF
LKPQDIEIIFINIEDLLRVHTHFLKEMKEALGTPGAANLYQ
VFIKYKERF
LVYGRYCSQVESASKHLDRVAAAREDVQMKLEECSSQ
RANNGRFTLRDLLM
VPMQRVLYHLLLQELVKHTQEAMEKENLRLALDAMR
DLAQCNEVKRDN
ETLRQITNFQLSIENLDQSLAHYGRPKIDGELKITSVERR
SKMDRYAFLL
DKALLICKRRGDSYDLKDFVNLHSFQVRDDSSGDRDN
KKWSHMFLIEDQ
GAQGYELFFKTRELKKKWMEQFEMAIISNIYPENATANG
HDFQMFSFEET
SCKACQMLLRGTFYQGYRCHRCRASAHKECLGRVPP
CGRHGQDFPGTMKK
DKLHRRRAQDKKRNELGLPKMEVFQEYYGLPPPPGAIG
PFLRLNPGDIVEL
TKAEAEQNWWEGRNTSTNEIGWFPCNRVKPYVHGPP
QDLSVHLWYAGPME
RAGAESILANRSDGTFLVRQRVKDAAEFAISIKYNVEVK
HIKIMTAEGLY
RITEKKAFRGLTELVFQYQNSLKDCFKSLDTTLQFPF
    
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KEPEKRTSRPA  
VGSTKYFGTAKARYDFCARDRSELSLKEGDIIKLNKKG  
QQGWWRGEIYG RVGWFPANYVEEDYSEYC

<b>Predicted molecular weight</b>	120 kDa including tags
<b>Amino acids</b>	73 to 845
<b>Tags</b>	GST tag N-Terminus

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab172184** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Western blot
<b>Form</b>	Liquid

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.5 Constituents: 73% Tris-HCl buffer, 25% Glycerol, 0.29% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF
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## General Info

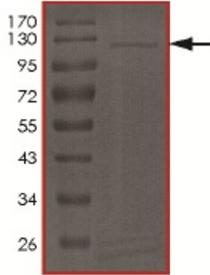
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<b>Relevance</b>	The Vav family are Rho/Rac guanosine nucleotide exchange factors (GEFs), consisting of three members in mammalian cells (Vav, Vav2, Vav3) and one in nematodes (CeVav). First discovered based on its transforming properties, Vav is expressed mainly in hematopoietic cells and a few non-hematopoietic tissues, such as the pancreas and tooth enamels. As a signalling transducer, Vav is involved in T-cell activated transduction of T-cell antigen receptor (TCR). T-cell stimulated and tyrosine phosphorylated Vav acts as a catalyst in the exchange of guanosine nucleotides on Rac-1, a GTP binding protein. Using a mouse model, Vav expression has been determined to play an essential role in the cytoskeletal, proliferative, and apoptotic pathways for developing lymphoid cells and its signal response.
<b>Cellular localization</b>	Cytoplasmic and Plasma membrane VAV1, Cytoplasm - VAV2 & VAV3

## Images

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ab172184 on SDS-PAGE, MW ~120 kDa.



SDS-PAGE - Recombinant Human Vav proteins  
(ab172184)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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