

## Recombinant Human VAPA, His-tagged

**Cat. No.** VAPA-30991TH **Lot. No.** (See product label)

### SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant fragment of Human VAPA with a 37aa N terminal His tag; 264aa, 29.8 kDa.                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>      | 227 amino acids                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>        | The protein encoded by this gene is a type IV membrane protein. It is present in the plasma membrane and intracellular vesicles. It may also be associated with the cytoskeleton. This protein may function in vesicle trafficking, membrane fusion, protein complex assembly and cell motility. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. |
| <b>Conjugation</b>        | HIS                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Weight</b>   | 29.800kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Tissue specificity</b> | Ubiquitous.                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>               | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>             | by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                             |

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|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage buffer</b>           | pH: 8.00 Constituents: 0.32% Tris, 0.02% DTT, 10% Glycerol                                                                                                                                                                                                                                    |
| <b>Storage</b>                  | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.                                                                                                                                                                               |
| <b>Sequences of amino acids</b> | RGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMASA SGAMAKHEQILVL<br>DPPTDLKFKGPFTDVVTTNLKLRNPSD RKVCFKVKTTAPRRYCVRPNSGIIDPGSTV<br>TVSVMLQPFY YDPNEKSKHKFMVQTIFAPPNTSDMEAVWKEAKPDELMDL KLRCV<br>FEMPENNDKLNDMEPSKAVPLNASKQDGPMPKPHS VSLNDTETRKLMEECKRLQ<br>GEMMKLSEENRHLRDEGLRLR KVAHSDKPGSTSTASFRDNVTSP |
| <b>Sequence Similarities</b>    | Belongs to the VAMP-associated protein (VAP) (TC 9.B.17) family. Contains 1 MSP domain.                                                                                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | VAPA VAMP (vesicle-associated membrane protein)-associated protein A, 33kDa [ Homo sapiens ]                                                                                                                                    |
| <b>Official Symbol</b> | VAPA                                                                                                                                                                                                                            |
| <b>Synonyms</b>        | VAPA; VAMP (vesicle-associated membrane protein)-associated protein A, 33kDa; VAMP (vesicle associated membrane protein) associated protein A (33kD); vesicle-associated membrane protein-associated protein A; hVAP 33; VAP A; |
| <b>Gene ID</b>         | 9218                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_003574                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>  | NP_003565                                                                                                                                                                                                                       |

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MIM</b>                 | 605703                                                                                                                                                                                                                                                                                       |
| <b>Uniprot ID</b>          | Q9P0L0                                                                                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 18p11.2                                                                                                                                                                                                                                                                                      |
| <b>Pathway</b>             | Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Tight junction, organism-specific biosystem; Tight junction, conserved biosystem; |
| <b>Function</b>            | protein binding; protein heterodimerization activity; signal transducer activity; structural molecule activity;                                                                                                                                                                              |

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