

## Recombinant Human VAMP3

**Cat. No.** VAMP3-27011TH    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant fragment of Human Cellubrevin , 8.7 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 77 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. This gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Because of its high homology to other known VAMPs, its broad tissue distribution, and its subcellular localization, the protein encoded by this gene was shown to be the human equivalent of the rodent cellubrevin. In platelets the protein resides on a compartment that is not mobilized to the plasma membrane on calcium or thrombin stimulation. |
| <b>Molecular Weight</b> | 8.700kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage buffer</b>   | pH: 7.50Constituents:0.24% Tris, 10% Glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                                 |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| <b>Storage</b>                  | Please see Notes section                                                             |
| <b>Sequences of amino acids</b> | MSTGPTAATGSNRRLQQTQNQVDEVVDIMRVNVDKVLERDQKLSELDDRADALQA<br>GASQFETSAAKLKRKYWWKNCK    |
| <b>Sequence Similarities</b>    | Belongs to the synaptobrevin family. Contains 1 v-SNARE coiled-coil homology domain. |

## GENE INFORMATION

|                            |                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | VAMP3 vesicle-associated membrane protein 3 (cellubrevin) [ Homo sapiens ]                                                                                    |
| <b>Official Symbol</b>     | VAMP3                                                                                                                                                         |
| <b>Synonyms</b>            | VAMP3; vesicle-associated membrane protein 3 (cellubrevin); vesicle-associated membrane protein 3; CEB;                                                       |
| <b>Gene ID</b>             | 9341                                                                                                                                                          |
| <b>mRNA Refseq</b>         | NM_004781                                                                                                                                                     |
| <b>Protein Refseq</b>      | NP_004772                                                                                                                                                     |
| <b>MIM</b>                 | 603657                                                                                                                                                        |
| <b>Uniprot ID</b>          | Q15836                                                                                                                                                        |
| <b>Chromosome Location</b> | 1p36.23                                                                                                                                                       |
| <b>Pathway</b>             | Arf6 trafficking events, organism-specific biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; SNARE interactions in vesicular |

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transport, organism-specific biosystem; SNARE interactions in vesicular transport, conserved biosystem;

**Function**

SNARE binding; protein binding; syntaxin-1 binding;

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