

## Recombinant Mouse Vamp8 Protein, Myc/DDK-tagged

**Cat. No.** Vamp8-6894M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length vesicle-associated membrane protein 8 (Vamp8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	<p>SNAREs, soluble N-ethylmaleimide-sensitive factor-attachment protein receptors, are essential proteins for fusion of cellular membranes. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four alpha-helical bundle that drives membrane fusion. VAMP8 is a SNARE involved in autophagy through the direct control of autophagosome membrane fusion with the lysosome membrane via its interaction with the STX17-SNAP29 binary t-SNARE complex. Also required for dense-granule secretion in platelets. Plays also a role in regulated enzyme secretion in pancreatic acinar cells. Involved in the abscission of the midbody during cell division, which leads to completely separate daughter cells. Involved in the homotypic fusion of early and late endosomes. Participates also in the activation of type I interferon antiviral response through a TRIM6-dependent mechanism.</p>
<b>Molecular Mass</b>	11.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and

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handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade after receiving vials.

**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Vamp8 vesicle-associated membrane protein 8 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Vamp8](#)

**Synonyms** VAMP8; vesicle-associated membrane protein 8; VAMP-8; Edb; AU041171; endobrevin

**Gene ID** [22320](#)

**mRNA Refseq** [NM\\_016794](#)

**Protein Refseq** [NP\\_058074](#)

**UniProt ID** [O70404](#)

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