

Recombinant Mouse Vamp8 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length vesicle-associated membrane protein 8 (Vamp8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	11.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	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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