

Recombinant Human Vesicle-associated Membrane Protein 8 (Endobrevin)

Cat. No. VAMP8-304H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant VAMP8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (96 aa, 10.9 kDa).
Species	Human
Source	E.coli
Description	Vehicle-associated membrane (VAMP8) ,also known as endobrevin, is the main components of a SNARE complex involved in the docking and fusion of synaptic vesicles with the presynaptic membrane. This protein plays a role in regulated enzyme secretion in pancreatic acinar cells and is involved in the abscission of the midbody during cell division, which leads to completely separate daughter cells. It is required for dense-granule secretion in platelets.
Formulation	Liquid in 20mM Tris pH 8.0, 30% glycerol.
Molecular Weight	10.9 kDa (96aa).
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequence	MGSSHHHHHH SSGLVPRGSH MEEASEGGGN DRVRNLQSEV EGVKNIMTQN VERILARGEN LEHLRNKTED LEATSEHFKT TSQKVARKFW WKNVKM

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

VAMP8

Synonyms

VAMP8; vesicle-associated membrane protein 8 (endobrevin); VAMP-8; EDB; VAMP5; Endobrevin; vesicle-associated membrane protein 8; vesicle-associated membrane protein 8 (endobrevin).

Gene ID

8673

mRNA Refseq

NM_003761.3

Protein Refseq

NP_003752.2

MIM

603177

UniProt ID

Q9BV40

**Chromosome
Location**

2p12-p11.2

Pathway

SNARE interactions in vesicular transport; Membrane Trafficking.

Function

protein binding.

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PDBrendering based
on 1gl2. Available
structures: 1gl2.

