Recombinant human VAMP-8 protein

Catalog Number: VAM0901

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-76aa

UniProt No.
Q9BV40

NCBI Accession No.
NP_003752

Alternative Names
Vesicle-associated membrane protein 8, Endobrevin, EDB, VAMP8, Vesicle-associated membrane protein 8, Vesicle-associated membrane protein 8 VAMP 5, VAMP 8, VAMP-8, VAMP5, Vesicle associated membrane protein 8.

PRODUCT SPECIFICATION

Molecular Weight
10.9 kDa (96aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.5) containing 0.1mM PMSF, 0.2M NaCl, 50% glycerol, 0.1M Imidazole

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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platelets. Recombinant VAMP8 protein was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

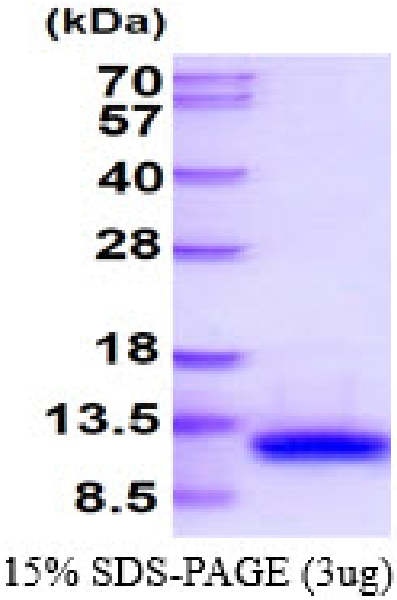
MGSSHHHHHH SSGLVPRGSH MEEASEGGGN DRVRNLQSEV EGVKNIMTQN VERILARGEN LEHLRNKTED LEATSEHFKT TSQKVARKFW WKNVKM

General References

Polgar J., et al. (2002) Blood. 100(3):1081-3.
Ren Q., et al. (2007) Mol Biol Cell. 18(1):24-33

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.