

Recombinant human Cellubrevin/VAMP-3 protein

Catalog Number: VAM0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-77aa

UniProt No.

Q15836

NCBI Accession No.

NP_004772

Alternative Names

Vesicle-associated membrane protein 3, VAMP 3, CEB, Synaptobrevin-3, Cellubrevin, Synaptobrevin 3, VAMP3, Vesicle associated membrane protein 3.

PRODUCT SPECIFICATION

Molecular Weight

8.7 kDa (77aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

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

Cellubrevin, also known as VAMP 3, is present in recycling endosomes and endosome-derived vesicles. This protein has been implicated in recycling of transferrin receptors to the plasma membrane, secretion of alpha-granules in platelets, recycling of T-cell receptors to the immunological synapses, and membrane trafficking

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during cell migration. Recombinant cellubrevin was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

MSTGPTAATG SNRRLQQTQN QVDEVVDIMR VNVDKVLERD QKLSELDDRA DALQAGASQF ETSAAKLRK YWWKNCK

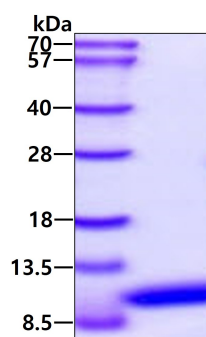
General References

Hu C., et al. (2007) *Exp Cell Res.* 313(15): 3198-209.

Zhang H., et al. (2007) *Arch Biochem biophys.* 465(1):119-26.

DATA

SDS-PAGE



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