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Recombinant human Cellubrevin/VAMP-3 protein

Catalog Number: VAM0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-77aa

UniProt No.

015836

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 alphagranules 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

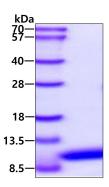
MSTGPTAATG SNRRLQQTQN QVDEVVDIMR VNVDKVLERD QKLSELDDRA DALQAGASQF ETSAAKLKRK YWWKNCK

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



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

