# **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-227aa

UniProt No. Q9P0L0

NCBI Accession No. NP\_919415

## **Alternative Names**

Vesicle-associated membrane protein-associated protein A, hVAP-33, VAP-33, VAP-A, VAP33, Vesicle-associated membrane protein-associated protein A VAMP A, VAMP associated protein A, VAP 33, VAP A, Vesicle associated membrane protein associated protein A.

# **PRODUCT SPECIFICATION**

## **Molecular Weight**

29.8 kDa (264aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT

Purity

> 85% 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

VAPA is a type IV membrane protein, present in the plasma membrane, intracellular vesicles and may also be associated with the cytoskeleton. This protein is a SNARE regulator with high levels of expression in the intestine during late embryogenesis and early neonatal development. VAPA may function in vesicle trafficking, membrane fusion, protein complex assembly and cell motility. Recombinant VAPA protein was expressed in E. coli and



purified by using conventional chromatography techniques.

## **Amino acid Sequence**

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMAS ASGAMAKHEQ ILVLDPPTDL KFKGPFTDVV TTNLKLRNPS DRKVCFKVKT TAPRRYCVRP NSGIIDPGST VTVSVMLQPF DYDPNEKSKH KFMVQTIFAP PNTSDMEAVW KEAKPDELMD SKLRCVFEMP NENDKLNDME PSKAVPLNAS KQDGPMPKPH SVSLNDTETR KLMEECKRLQ GEMMKLSEEN RHLRDEGLRL RKVAHSDKPG STSTASFRDN VTSP

## **General References**

Wyles JP., et al. (2002) J Biol Chem. 277(33):29908-18. Weir ML., et al. (2001) Biochem Biophys Res Commun. 286(3):616-21.

# DATA



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

15% SDS-PAGE (3ug)