

**VAPA, 1-227aa, Human, His tag, E.coli**

**Cat.NO.: TP04454**

3th Edition

**Synonyms:**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.

**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.

**Form:**Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT.

**Molecular Weight:**29.8 kDa (264aa), confirmed by MALDI-TOF.

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMASASGAMAKHEQILVLDPPPTDLKFKGPFTDVVTT  
NLKLRNPSDRKVCVKVKTAPRRYCVRPNSGIIDPGSTVTVSVMLQPFDYDPNEKSKHKFMVQTIFAPPNTSDMEA  
VWKEAKPDELMDSKLRCVFEMPENENDKLNDEPSKAVPLNASKQDGPMPKPHSVSLNDTETRKLMEECKRLQGE  
MMKLSEENRHLRDEGLRLRKVAHSDKPGSTSTASFRDNVTSP

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.