

VAPB, 1-222aa, Human, His tag, E.coli

Cat.NO.: TP04455

3th Edition

Synonyms: Vesicle-associated membrane protein-associated protein B/C, ALS8, VAMP-B, VAMP-C, VAP-B, VAP-C

Description: VAPB, also known as vesicle-associated membrane protein (VAMP)-associated protein B, is a type IV transmembrane protein and member of the VAP family of proteins. This protein may play a role in vesicle trafficking. It is found in plasma and intracellular vesicle membranes as a homodimer and heterodimer with VAPA, and interacts with VAMP1 and VAMP2. Defects in VAPB are a cause of amyotrophic lateral sclerosis type 8 and spinal muscular atrophy autosomal dominant Finkel type. Recombinant human VAPB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

Molecular Weight: 27.1 kDa (242aa) confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMAKVEQVLSLEPQHELKFRGPFTDVVTTNLKLGNPDRNVCFKVKTTAPRRYCV
RPNSGIIDAGASINVSMLQPFDYDPNEKSKHKFMVQSMFAPTDTSMEAVWKEAKPEDLMDSKLRCVFELPAEN
DKPHDVEINKIISTTASKTETPIVSKSLSSSLDDTEVKKVMEECKRLQGEVQRLREENKQFKEEDGLRMRKTVQSNS
PISALAPTGKEEGLST

Purity: > 95% by HPLC

Concentration: 1.0 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.