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**Product Data Sheet**


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Product Name: VAPB Human  
 Cat. No.: GP24979  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Vesicle-associated membrane protein-associated protein B/C; VAMP-B/VAMP-C; VAMP-associated protein B/C; VAP-B/VAP-C; VAPB; ALS8; VAP-B; VAMP-B.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAKVEQVLSL EPQHELKFRG PFTDVVTTNL KLGNTDRNV CFKVKTTAPR RYCVRPNSGI IDAGASINVS VMLQPFDYDP NEKSKHKFMV QSMFAPDTS DMEAVWKEAK PEDLMDSKLR CVFELPAEND KPHDVEINKI ISTTASKTET PIVSKSLSSS LDDTEVKKVM EECKRLQGEV QRLREENKQF KEEDGLRMRK TVQSNPISA LAPTGKEEGL ST.		
Formulation	The VAPB solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.		

**Introduction**

VAPB Vesicle-associated membrane protein (VAMP)-associated protein B (aka VAPB) is a type IV transmembrane protein and belongs to the VAP family of proteins. VAPB may have a role in vesicle trafficking. VAPB is found in plasma and intracellular vesicle membranes as a homodimer and heterodimer with VAPA, and interacts with VAMP1 and VAMP2. VAPB defects are the basis for the amyotrophic lateral sclerosis type 8 and spinal muscular atrophy autosomal dominant Finkel type.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

VAPB Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in

**Caution: Product has not been fully validated for medical applications. For research use only.**

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E.Coli is a single, non-glycosylated, polypeptide chain containing 242 amino acids (1-222 a.a.) and having a molecular mass of 27.1kDa (molecular size on SDS-PAGE will appear higher). The VAPB is purified by proprietary chromatographic techniques.

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