

32-5217: Recombinant Human Vesicle Amine Transport Protein 1 Homolog

Alternative Name : Synaptic vesicle membrane protein VAT-1 homolog,VAT1,VATI.

Description

Source : E.coli. VAT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 413 amino acids (1-393 a.a.) and having a molecular mass of 44.1kDa. VAT1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Synaptic vesicle membrane protein VAT-1 homolog (VAT1) is a member of the quinone oxidoreductase subfamily of zinc-containing alcohol dehydrogenase proteins. Synaptic vesicles are in charge of regulating the storage and release of neurotransmitters in the nerve terminal. VAT1 has an increased calcium ion-dependent expression in glioblastomas and on wounding, in basal keratinocytes. VAT1 is an abundant integral membrane protein of cholinergic synaptic vesicles and is believed to be involved in vesicular transport.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	VAT1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MSDEREVAEA ATGEDASSPP PKTEAASDPQ HPAASEGAAA AAASPPLLRC LVLTGFGGYD KVKLQSRPAA PPAPGPGQLT LRLRACGLNF ADLMARQGLY DRLPPLPVTP GMEGAGVVIA VEGEVSDRKA GDRVMVLNRS GMWQEEVTVP SVQTFLIPEA MTFEEAAALL VNYITAYMVL FDFGNLQPGH SVLVHMAAGG VGMAAVQLCR TVENVTVFGT ASASKHEALK ENGVTHPIDY HTTDYVDEIK KISPKGVDIV MDPLGGSDTA KGYNLLKPMG KVVTYGMANL LTGPKRNLMA LARTWWNQFS VTALQLLQAN RAVCGFHLGY LDGEVELVSG VVARLLALYN QGHIKPHIDS VWPFEKVADA MKQMQEKKNV GKVLLVPGPE KEN.