

Vesicle Amine Transport Protein 1 Homolog Human Recombinant

Item Number	rAP-3764
Synonyms	Synaptic vesicle membrane protein VAT-1 homolog, VAT1, VATI.
Description	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.
Uniprot Accesion Number	Q99536
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MSDEREVAEA ATGEDASSPP PKTEAASDPQ HPAASEGAAA AAASP- PLLRC LVLTFGGGYD KVKLQSRPAA PPAPGPGQLT LRLRACGLNF ADLMARQGLY DRLPPLPVTP GMEGAGVVIA VEGEVSDRKA GDRVMVLNRS GMWQEEVTVP SVQTFLLPEA MTFEEAAALL VNYITAYMVL FDFGNLQPGH SVLVHMAAGG VGMAAVQLCR TVENVTVFGT ASASKHEALK ENGVTH- PIDY HTTDYVDEIK KISPKGVDIV MDPLGGSDTA KGYNLLKPMG KVVTYGMANL LTGPKRNLMA LART- WWNQFS VTALQLLQAN RAVCGFHLY LDGEVELVSG VVARLLALYN QGHIKPHIDS VWPFEKVADA
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	VAT1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**