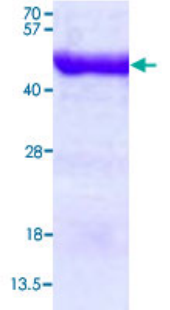
Full-Length

VAT1 (Human) Recombinant Protein

Catalog # P4539 Size 50 ug

Applications



Specification

Product Description	Human VAT1 (NP_006364, 1 a.a. - 393 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMSDEREVAEAATGEDASSPPPKTEAASDPQHPAASEGAAAAA ASPPLLRCLVLTGFGGYDKVKLQSRPAAPPAPGPGQLTLRLRACGLNFADLMARQGLYDRLPPL PVTPGMEGAGVVIAVGEGVSDRKAGDRVMVLNRSGMWQEEVTVPSVQTFLIPEAMTFEEAAAL LVNYITAYMVLFDFGNLQPGHSVLVHMAAGGVGMAAVQLCRTVENVTVFGTASASKHEALKENG VTHPIDYHTTDYVDEIKKISPKGVDIVMDPLGGSDTAKGYNLLKPMGKVVTYGMANLLTGPKRNLM ALARTWWNQFSVTALQLLQANRAVCGFHLGYLDGEVELVSGVVARLLALYNQGHIKPHIDSVWPF EKVADAMKQMQEKKNVGKVLLVPGPEKEN
Host	Escherichia coli
Theoretical MW (kDa)	44.1
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Concentration	0.5mg/mL
Purity	> 90% by SDS - PAGE
Quality Control Testing	15% SDS-PAGE Stained with Coomassie Blue

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Storage Buffer	In 20 mM Tris-HCl buffer, 100 mM NaCl, pH 8.0 (10% glycerol, 1 mM DTT).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — VAT1

Entrez GeneID	10493
Protein Accession#	NP_006364
Gene Name	VAT1
Gene Alias	FLJ20230, VATI
Gene Description	vesicle amine transport protein 1 homolog (T. californica)
Omim ID	604631
Gene Ontology	Hyperlink
Gene Summary	Synaptic vesicles are responsible for regulating the storage and release of neurotransmitters in th e nerve terminal. The protein encoded by this gene is an abundant integral membrane protein of c holinergic synaptic vesicles and is thought to be involved in vesicular transport. It belongs to the qu inone oxidoreductase subfamily of zinc-containing alcohol dehydrogenase proteins. [provided by RefSeq
Other Designations	membrane protein of cholinergic synaptic vesicles|synaptic vesicle membrane protein VAT-1 hom olog|vesicle amine transport protein 1

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