

## Product datasheet for **TP302201L**

### VAT1 (NM\_006373) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human vesicle amine transport protein 1 homolog (T. californica) (VAT1), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC202201 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSDEREVAEAAATGEDASSPPPKTEAASDPQHHPAASEGAAAAAASPPLLRLCLVLTGFGGYDKVKLQSRPAA  
PPAPGPGQLTLRLRACGLNFADLMARQGLYDRLPPLPVTTPGMEGAGVVIAGGEGVSDRKAGDRVMVLNRS  
GMWQEEVTPSVQTFLLIPEAMTFEEAAALLVNYITAYMVLDFGNLQPGHSLVHMAAGGVMMAAVQLCR  
TVENVTVFGTASASKHEALKENGVTHTPIDYHTTDYVDEIKKISPKGVDIVMDPLGGSDTAKGYNLLKPMG  
KVTYGMANLLTGPKRNLMALARTWWNQFSVTALQLLQANRAVCGFHLGYLDGEVELVSGVVARLLALYN  
QGHKPHIDSVWPFKQVADAMKQMQEKKNVGKVVLLVPGPEKEN

**SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 41.7 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  
**RefSeq:** [NP\\_006364](#)



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Locus ID: 10493

UniProt ID: [Q99536](#), [A0A024R1Z6](#)

RefSeq Size: 2758

Cytogenetics: 17q21.31

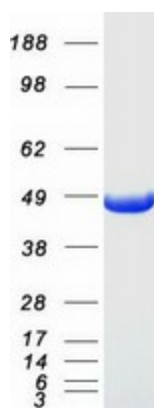
RefSeq ORF: 1179

Synonyms: VAT1

**Summary:** Synaptic vesicles are responsible for regulating the storage and release of neurotransmitters in the nerve terminal. The protein encoded by this gene is an abundant integral membrane protein of cholinergic synaptic vesicles and is thought to be involved in vesicular transport. It belongs to the quinone oxidoreductase subfamily of zinc-containing alcohol dehydrogenase proteins. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified VAT1 protein (Cat# [TP302201]). The protein was produced from HEK293T cells transfected with VAT1 cDNA clone (Cat# [RC202201]) using MegaTran 2.0 (Cat# [TT210002]).