

Product datasheet for PH302201

VAT1 (NM_006373) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	VAT1 MS Standard C13 and N15-labeled recombinant protein (NP_006364)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202201
Predicted MW:	41.9 kDa
Protein Sequence:	>RC202201 protein sequence Red=Cloning site Green=Tags(s)
	MSDEREVAEAAATGEDASSPPPKTEAASDPQHPAASEGAAAAAASPPLLRLCLVLTGFGGYDKVKLQSRPAA PPAPGPGQLTLRLRACGLNFADLMARQGLYDRLPPLPVTGMEGAGVVI AVGEGVSDRKAGDRVMVLNRS GMWQEEVTVPSVQTFLIPEAMTFEEAAALLVNYITAYMVLDFGNLQPGHSVLVHMAAGGVGMAAVQLCR TVENVTVFGTASASKHEALKENGVTHTPIDYHTTDYVDEIKKISPKGVDI VMDPLGGSDTAKGYNLLKPMG KVVTYGMANLLTGPKRNL MALARTWWNQFSVTALQLLQANRAVCGFHLGYLDGEVELVSGVVARLLALYN QGHIKPHIDSVWPF EKVADAMKQMQEKKNVGKVL VPGPEKEN
	SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006364
RefSeq Size:	2758
RefSeq ORF:	1179
Synonyms:	VAT1
Locus ID:	10493



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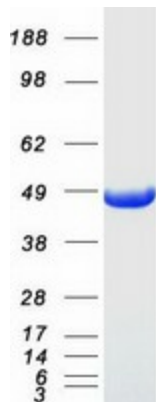
UniProt ID: [Q99536](#), [A0A024R1Z6](#)

Cytogenetics: 17q21.31

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]).