

Recombinant Human VAT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. VAT1-3940H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

VAT1 MS Standard C13 and N15-labeled recombinant protein (NP_006364) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

41.9 kDa

AA Sequence

MSDEREVAEAAATGEDASSPPPKTEAASDPQHAAASEGAAAAAASPPLLRCLVLTGFGGYDKVKLQSRPAAPPAPGPGQLTLRLRACGLNFADLMARQGLYDRLPPLPVTMGAGVVIIVGEGVSDRKAGDRVMVLNRSGMWQEEVTVPSVQTFLLIPEAMTFEEAAALLVNYITAYMVLDFDGNLQPGHSLVHMAAGGVGMAAVQLCRTVENVTVFGTASASKHEALKENGVTHPIDYHTTDYVDEIKKISPKGVDIVMDPLGGSDTAKGYNLLKPMGKVVTYGMANLLTGPKRNLALARTWWNQFSVTALQLLQANRAVCGFHLGYLDGEVELVSGVVARLLALYNQGHKPHIDSVWPFQKADAMKQMQEKKNVGVKLLVPGPEKENSPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	VAT1 vesicle amine transport 1 [Homo sapiens (human)]
Official Symbol	VAT1
Synonyms	VAT1; vesicle amine transport protein 1 homolog (T. californica); synaptic vesicle membrane protein VAT-1 homolog; FLJ20230; VATI; membrane protein of cholinergic synaptic vesicles;
Gene ID	10493
mRNA Refseq	NM_006373
Protein Refseq	NP_006364
MIM	604631
UniProt ID	Q99536

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