

Recombinant Human VMAT2, His-tagged

Cat. No. VMAT2-3667H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VMAT2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	40-127aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	SLC18A2 solute carrier family 18 (vesicular monoamine), member 2 [Homo sapiens]
Official Symbol	SLC18A2
Synonyms	SLC18A2; solute carrier family 18 (vesicular monoamine), member 2; VMAT2; synaptic vesicular amine transporter; SVAT; SVMT; monoamine transporter; vesicular amine transporter 2; vesicle monoamine/H ⁺ antiporter; solute carrier family 18 member 2; vesicle monoamine transporter type 2; monoamine neurotransmitter

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	transporter; VAT2; MGC26538; MGC120477; MGC120478;
Gene ID	6571
mRNA Refseq	NM_003054
Protein Refseq	NP_003045
MIM	193001
UniProt ID	Q05940
Chromosome Location	10q25
Pathway	Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Dopamine Neurotransmitter Release Cycle, organism-specific biosystem; D
Function	drug binding; enzyme binding; heat shock protein binding; monoamine transmembrane transporter activity; serotonin transmembrane transporter activity;