Recombinant Human VAMP1 293 Cell Lysate

Cat. No. VAMP1-441HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for vesicle-associated membrane protein 1 (synaptobrevin 1) (VAMP1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	VAMP1 vesicle-associated membrane protein 1 (synaptobrevin 1) [Homo sapiens]
Official Symbol	VAMP1
Synonyms	VAMP1; vesicle-associated membrane protein 1 (synaptobrevin 1); SYB1; vesicle-associated membrane protein 1; VAMP 1; synaptobrevin 1; synaptobrevin-1; VAMP-1; DKFZp686H12131;
Gene ID	6843
mRNA Refseq	NM_014231
Protein Refseq	NP_055046
MIM	185880
UniProt ID	P23763
Chromosome Location	12p
Pathway	BoNT Light Chain Types B, D, and F cleave VAMP/Synaptobrevin, organism-specific biosystem; Botulinum neurotoxicity, organism-specific biosystem; Disease, organism-specific biosystem; Neuronal System, organism-specific biosystem; Proteolytic cleavage of SNARE complex proteins, organism-specific biosystem; SNARE

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	interactions in vesicular transport, organism-specific biosystem; SNARE interactions in vesicular transport, conserved biosystem;

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