

Recombinant Human VAMP2 293 Cell Lysate

Cat. No. VAMP2-438HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for vesicle-associated membrane protein 2 (synaptobrevin 2) (VAMP2) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [VAMP2 vesicle-associated membrane protein 2 \(synaptobrevin 2\) \[Homo sapiens \]](#)

Official Symbol [VAMP2](#)

Synonyms [VAMP2](#); vesicle-associated membrane protein 2 (synaptobrevin 2); [SYB2](#); vesicle-associated membrane protein 2; [VAMP 2](#); [synaptobrevin 2](#); [synaptobrevin-2](#); vesicle associated membrane protein 2; [VAMP-2](#); [FLJ11460](#);

Gene ID [6844](#)

mRNA Refseq [NM_014232](#)

Protein Refseq [NP_055047](#)

MIM [185881](#)

UniProt ID [P63027](#)

Chromosome Location [17pter-p12](#)

Pathway [Acetylcholine Neurotransmitter Release Cycle, organism-specific biosystem](#); [BoNT Light Chain Types B, D, and F cleave VAMP/Synaptobrevin, organism-specific biosystem](#); [Botulinum neurotoxicity, organism-specific biosystem](#); [Clathrin derived vesicle budding, organism-specific biosystem](#); [Diabetes pathways, organism-specific biosystem](#); [Disease, organism-specific biosystem](#); [Dopamine Neurotransmitter Release Cycle, organism-specific biosystem](#);

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