Recombinant Human NSF 293 Cell Lysate

Cat. No. NSF-3688HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for N-ethylmaleimide-sensitive factor (NSF) 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	NSF N-ethylmaleimide-sensitive factor [Homo sapiens]
Official Symbol	NSF
Synonyms	NSF; N-ethylmaleimide-sensitive factor; vesicle-fusing ATPase; N ethylmaleimide sensitive factor like protein; SKD2; NEM-sensitive fusion protein; vesicular-fusion protein NSF; N-ethylmaleimide-sensitive fusion protein; N-ethylmaleimide-sensitive factor-like protein;
Gene ID	4905
mRNA Refseq	NM_006178
Protein Refseq	NP_006169
MIM	601633
UniProt ID	P46459
Chromosome Location	17q21
Pathway	GABAergic synapse, organism-specific biosystem; GABAergic synapse, conserved biosystem; Glutamate Binding, Activation of AMPA Receptors and Synaptic Plasticity, organism-specific biosystem; Neuronal System, organism-specific biosystem;

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	Neurotransmitter Receptor Binding And Downstream Transmission In ThePostsynaptic Cell, organism-specific biosystem; Synaptic vesicle cycle, organism-specific biosystem; Synaptic vesicle cycle, conserved biosystem;
Function	ATP binding; ATPase activity, coupled; PDZ domain binding; Rab GTPase binding; hydrolase activity; metal ion binding; nucleotide binding; protein C-terminus binding; protein binding; protein complex binding; syntaxin binding;

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