

Recombinant Human NSF 293 Cell Lysate

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

SPECIFICATION

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.
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	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; Neurotransmitter Receptor Binding And Downstream Transmission In The Postsynaptic Cell, organism-specific biosystem; Synaptic vesicle cycle, organism-

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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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