Recombinant Full Length Human NSF Protein, C-Flag-tagged

Cat. No. NSF-1227HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NSF Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables PDZ domain binding activity and ionotropic glutamate receptor binding activity. Involved in intracellular protein transport; positive regulation of protein catabolic process; and positive regulation of receptor recycling. Located in Golgi apparatus; cytosol; and plasma membrane. Implicated in developmental and epileptic encephalopathy.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	82.4 kDa
AA Sequence	MAGRSMQAARCPTDELSLTNCAVVNEKDFQSGQHVIVRTSPNHRYTFTLKTHPSVV PGSIAFSLPQRKWA GLSIGQEIEVSLYTFDKAKQCIGTMTIEIDFLQKKSIDSNPYDTD KMAAEFIQQFNNQAFSVGQQLVFSF NEKLFGLLVKDIEAMDPSILKGEPATGKRQKI EVGLVVGNSQVAFEKAENSSLNLIGKAKTKENRQSIIN PDWNFEKMGIGGLDKEFSD IFRRAFASRVFPPEIVEQMGCKHVKGILLYGPPGCGKTLLARQIGKMLNAR EPKVVN GPEILNKYVGESEANIRKLFADAEEEQRRLGANSGLHIIIFDEIDAICKQRGSMAGSTG VHDTV VNQLLSKIDGVEQLNNILVIGMTNRPDLIDEALLRPGRLEVKMEIGLPDEKGR LQILHIHTARMRGHQLL SADVDIKELAVETKNFSGAELEGLVRAAQSTAMNRHIKAST

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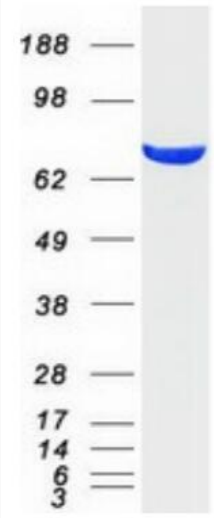
	KVEVDMEKAESLQVTRGDFLASLENDIKP AFGTNQEDYASYIMNGIIKWGDPVTRVL DDGELLVQQTKNSDRTPLVSVLLEGPPHSGKTALAAKIAEES NFPFIKICSPDKMIGF SETAKCQAMKKIFDDAYKSQLSCVVVDDIERLLDYVPIGPRFSNLVLQALLVLL KKAP PQGRKLLIIGTTSRKDVLQEMEMLNAFSTTIHVPNIATGEQLLEALELLGNFKDKERTT IAQQVKG KKVWIGIKKLLMLIEMSLQMDPEYRVRKFLALLREEGASPLDFDTRTRPLEQKLISEE DLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Protease
Full Length	Full L.

GENE INFORMATION

Gene Name	NSF N-ethylmaleimide sensitive factor, vesicle fusing ATPase [Homo sapiens (human)]
Official Symbol	NSF

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Synonyms	SKD2; DEE96; SEC18
Gene ID	4905
mRNA Refseq	NM_006178.4
Protein Refseq	NP_006169.2
MIM	601633
UniProt ID	P46459



Coomassie blue staining of purified NSF protein.

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