

Recombinant Rat NSF Protein (7-209 aa), His-tagged

Cat. No. NSF-1282R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat NSF Protein (7-209 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Rat
Source	E.coli
ProteinLength	7-209 aa
Description	Required for vesicle-mediated transport. Catalyzes the fusion of transport vesicles within the Golgi cisternae. Is also required for transport from the endoplasmic reticulum to the Golgi stack. Ses to function as a fusion protein required for the delivery of cargo proteins to all compartments of the Golgi stack independent of vesicle origin. Interaction with AMPAR subunit GRIA2 leads to influence GRIA2 mbrane cycling.
Form	Tris-based buffer,50% glycerol
Molecular Mass	26.5 kDa
AA Sequence	QAARCPTDELSLSNCAVVNEKDYQSGQHVMVRTSPNHKYIFTLRTHPSVVPGCIAF SLPQRKWAGLSIGQDIEVALYSFDKAKQCIGTMTIEIDFLQKKNIDSNPYDSDKMAAE FIQQFNHQAFSVGQQLVFSFNDKLFGLLVKDIEAMDPSILKGEPASGKRQKIEVGLVV GNSQVAFEKAENSSLNLIGKAKTKENRQSII

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

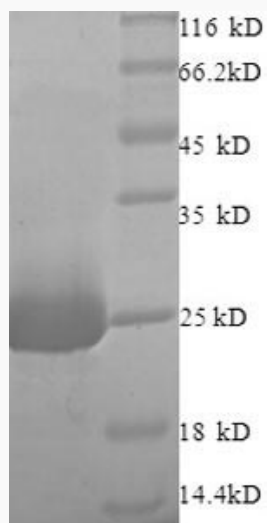
GENE INFORMATION

Gene Name	Nsf N-ethylmaleimide-sensitive factor [<i>Rattus norvegicus</i>]
Official Symbol	NSF
Synonyms	NSF; vesicle-fusing ATPase;
Gene ID	60355
mRNA Refseq	NM_021748
Protein Refseq	NP_068516
UniProt ID	Q9QUL6

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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