

Product datasheet for PH305983

NSF (NM_006178) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NSF MS Standard C13 and N15-labeled recombinant protein (NP_006169)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205983
Predicted MW:	82.6 kDa
Protein Sequence:	>RC205983 protein sequence Red=Cloning site Green=Tags(s)
	MAGRSMQAARCPDDELSTNCAVVNEKDFQSGQHIVVRTSPNHRYTFTLKTHTPSVVPGSIASFSLPQRKWA GLSIGQEIEVSLYTFDKAKQCIGTMTIEIDFLQKKSIDSNPYDTDKMAAEFIQQFNNQAFSVGQQLVFSF NEKLFGLLVKIDIEAMDPSILKGEPATGKRQKIEVGLVVGNSQVAFKAENSSLNLIGKAKTKENRQSIIN PDWNFEKMGIGLDKEFSDIFRRAFASRVFPPEIVEQMGCKHVKGILLYGPPGCGKTLLARQIGKMLNAR EPKVVNGPEILNKYVGESEANIRKLFADAEQQRRLGANSGLHIIIFDEIDAICKQRGSMAGSTGVHDTV VNQLLSKIDGVEQLNNILVIGMTNRPDLIDEALLRPGRLVVKMEIGLPDEKGRQLIHLIHTARMRGHQLL SADVDIKELAVETKNFSGAELEGLVRAAQSTAMNRHIKASTKVEVDMKAESLQVTRGDFLASLENDIKP AFGTNQEDYASYIMNGI IKWGDPVTRVLDGELLVQQTKNSDRTPLVSVLLEGPPhSGKTAALAAKIAEES NFPFIKICSPDKMIGFSETAKCQAMKKIFDDAYKSQLSCVVDIERLLDYVPIGPRFSNLVQLALLVLL KKAPPQGRKLLIIGTTSRKDVLQEMEMLNFASTTIHVPNIATGEQLLEALELLGNFKDKERTTIAQQVKG KKVWIGIKLLMLIEMSLQMDPEYRVRKFLALLREEGASPLDFD
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_006169</u>



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RefSeq Size:	3995
RefSeq ORF:	2232
Synonyms:	SEC18; SKD2
Locus ID:	4905
UniProt ID:	P46459 , A0A384MTI6
Cytogenetics:	17q21.31

Summary: 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. Seems 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 membrane cycling (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Families: Protease

Product images:



Coomassie blue staining of purified NSF protein (Cat# [TP305983]). The protein was produced from HEK293T cells transfected with NSF cDNA clone (Cat# [RC205983]) using MegaTran 2.0 (Cat# [TT210002]).