

OriGene Technologies, Inc.

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Product datasheet for TP303841

Nucleophosmin (NPM1) (NM_199185) Human Recombinant Protein

Product data:

Description:Recombinant protein of human nucleophosmin (nucleolar phosphoprotein B23, numatrin) (NPM1), transcript variant 2, 20 µgSpecies:HumanExpression Host:HEK293TExpression cDNA Chone or AA Sequere:Red-Coloning site Green=Tags(s)By By By Dy	Product Type:	Recombinant Proteins
Expression Hoss:HEK293TExpression CDNA Clone or AA Sequeue:>RC203841 protein sequence Red=Cloning site Green=Tags(s)MEDSMDMDMSPLRPQNYLFGCELKADKDYHFKVDNDENEHQLSLRTVSLGAGAKDELHIVEAEAMNYEGS PIKVTLATLKMSVQPTVSLGGFEITPPVVLRLKCGSGPVHISGQHLVAVEEDAESEDEEEDVVLLSISG KRSAPGGGSKVPQKKVKLAADEDDDDDDDDDDDDDDDDDDDDDDDDEAEEKAPVKKGQESFKKQEKTPKTPK PSVEDIKAKMQASIEKGGSLPKVEAKFINYVKNCFRMTDQEAIQDLWQWRKSLTag:CMyc/DKPredicted MW:9.3 kDaOoncentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.5 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolBioactivity:15 cmotion as captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stoale for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.	Description:	
Expression cDNA Conce or AA Sequence Red=Cloning site Green=Tags(s)ReDSMDMDMSPLRPQNYLFGCELKADKDYHFKVDNDENEHQLSLRTVSLGAGAKDELHIVEAEAMNYEGS PIKVTLATKMSVQPTVSLGGFEITPPVVLRLKCGSGPVHISQHLVAVEEDAESEDEEEEDVKLLSISG KRSAPGGSSKVPQKKVKLAADEDDDDDDDEDDDDDDDDDDDDDDEEAEKAPVKKGQESFKKQEKTPKTPK CPSSVEDIKAKMQASIEKGGSLPKVEAKFINVVKNCFRMTDQEAIQDLWQWRKSLTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVPredicted MW:9.3 kDaConcentration:0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For esting in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stora 4.80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling cultions. Avoid repeated freeze-thaw cycles.	Species:	Human
Clone or AA Sequence:Red=Cloning site Green=Tags(s)WEDSMDMDMSPLRPQNYLFGCELKADKDYHFKVDNDENEHQLSLRTVSLGAGAKDELHIVEAEAMNYEGS PIKVTLATLKMSVQPTVSLGGFEITPPVVLRLKCGSGPVHISGQHLVAVEEDAESEDEEEEDVKLLSISG KRSAPGGGSKVPQKKVKLAADEDDDDDDEEDDDDDDDDDDDDEDDDEAEEKAPVKKGQESFKKQEKTPKTPK GPSSVEDIKAKMQASIEKGGSLPKVEAKFINVVKNCFRMTDQEAIQDLWQWRKSLTag:CMc/DDKPredicted MW:29.3 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolBioactivity:Enzyme substrate (PMID: 29804834)Preparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stora t-80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.	Expression Host:	HEK293T
PikVTLATLKMSVQPTVSLGGFEITPPVVLRLKCGSGPVHISGQHLVAVEEDAESEDEEEEDVKLLSISG KRSAPGGGSKVPQKKVKLAADEDDDDDDEEDDDDDDDDDDDDDDDDEAEEKAPVKKGQESFKKQEKTPKTPK GPSSVEDIKAKMQASIEKGGSLPKVEAKFINYVKNCFRMTDQEAIQDLWQWRKSLTag:CMCTag:C-Myc/DDKPredicted MW:29.3 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolBioactivity:Enzyme substrate (PMID: 29804834)Preparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stole for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.	-	
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RefSeq: <u>NP 954654</u>	Stability:	
	RefSeq:	<u>NP 954654</u>

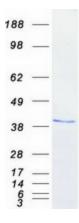


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	Nucleophosmin (NPM1) (NM_199185) Human Recombinant Protein – TP303841
Locus ID:	4869
UniProt ID:	P06748, A0A0S2Z4G7
RefSeq Size:	1362
Cytogenetics:	5q35.1
RefSeq ORF:	795
Synonyms:	B23; NPM
Summary:	The protein encoded by this gene is involved in several cellular processes, including centrosome duplication, protein chaperoning, and cell proliferation. The encoded phosphoprotein shuttles between the nucleolus, nucleus, and cytoplasm, chaperoning ribosomal proteins and core histones from the nucleus to the cytoplasm. This protein is also known to sequester the tumor suppressor ARF in the nucleolus, protecting it from degradation until it is needed. Mutations in this gene are associated with acute myeloid leukemia. Dozens of pseudogenes of this gene have been identified. [provided by RefSeq, Aug 2017]

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Product images:



Coomassie blue staining of purified NPM1 protein (Cat# TP303841). The protein was produced from HEK293T cells transfected with NPM1 cDNA clone (Cat# [RC203841]) using MegaTran 2.0 (Cat# [TT210002]).

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