

Product datasheet for PH300160

C9orf95 (NMRK1) (NM_017881) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C9orf95 MS Standard C13 and N15-labeled recombinant protein (NP_060351)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200160
Predicted MW:	23.2 kDa
Protein Sequence:	>RC200160 protein sequence Red=Cloning site Green=Tags(s) MKTFTIIGISGVTNSGKTTLAKNLQKHLPNCSVISQDDFFKPESEIETDKNGFLQYDVLEALNMEKMMSAI SCWMESARHSVSTDQESAEIIPILIIIEGFLLFNYKPLDTIWNRSYFLTIPYEECKRRRSTRVYQPPDSP GYFDGHVWPMYLYRQEMQDITWEVVYLDGKSEEDLFLQVYEDLIQELAKQKCLQVTA 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_060351
RefSeq Size:	1207
RefSeq ORF:	597
Synonyms:	bA235O14.2; C9orf95; NRK1
Locus ID:	54981
UniProt ID:	Q9NWW6



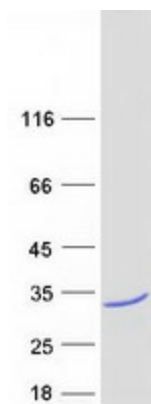
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Cytogenetics: 9q21.13

Summary: Nicotinamide adenine dinucleotide (NAD⁺) is essential for life in all organisms, both as a coenzyme for oxidoreductases and as a source of ADP-ribosyl groups used in various reactions. Nicotinic acid and nicotinamide, collectively known as niacin, are the vitamin precursors of NAD⁺. Nicotinamide riboside kinases, such as NRK1, function to synthesize NAD⁺ through nicotinamide mononucleotide using nicotinamide riboside as the precursor (Bieganski and Brenner, 2004 [PubMed 15137942]).[supplied by OMIM, Mar 2008]

Protein Pathways: Nicotinate and nicotinamide metabolism

Product images:



Coomassie blue staining of purified NMRK1 protein (Cat# [TP300160]). The protein was produced from HEK293T cells transfected with NMRK1 cDNA clone (Cat# [RC200160]) using MegaTran 2.0 (Cat# [TT210002]).