

Recombinant Human PNKD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PNKD-1974H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PNKD MS Standard C13 and N15-labeled recombinant protein (NP_056303) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is thought to play a role in the regulation of myofibrillogenesis. Mutations in this gene have been associated with the movement disorder paroxysmal non-kinesigenic dyskinesia. Alternative splicing results in multiple transcript variants.
Molecular Mass	42.9 kDa
AA Sequence	MAAVVAATALKSRGARNARVLRGILAGATANKVSHNRTRALQSHSSSEGKEEPEPL SPELEYIPRKRGNPMKAVGLAWYSLYTRTWLGYLFRYRQQLRRARNRYPKGHST QPRLFNGVKVLPVLSNYSYLIIDTQAQLAVAVDPSDPRAVQASIEKEGVTLVAILC THKHWDHSGGNRDLRRHRDCRVYGSPQDGIPYLTHPLCHQDVVSVGRLQIRALA TPGHTQGHLVYLLDGEPIYKGPSCFLSGDLLFLSGCGRTFEGNAETMLSSLDTVLGL GDDTLLWPGHEYAEENLGFAGVVEPENLARERKMQWVQRQRLERKGTCPSTLGE ERSYNPFLRTHCLALQEALGPGPGPTGDDDISRAQLLEELRRLKDMHKSCTRPL EQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PNKD paroxysmal nonkinesigenic dyskinesia [Homo sapiens (human)]
Official Symbol	PNKD
Synonyms	PNKD; paroxysmal nonkinesigenic dyskinesia; paroxysmal nonkinesigenic dyskinesia; probable hydrolase PNKD; BRP17; DKFZp564N1362; DYT8; FKSG19; FPD1; KIAA1184; KIPP1184; MGC31943; MR 1; myofibrillogenesis regulator 1; PDC; PKND1; TAHCCP2; brain protein 17; trans-activated by hepatitis C virus core protein 2; MR1; MR-1;
Gene ID	25953
mRNA Refseq	NM_015488
Protein Refseq	NP_056303
MIM	609023
UniProt ID	Q8N490

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SDS-PAGE

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