

Product datasheet for **SC319134**

Probable hydrolase PNKD (PNKD) (NM_022572) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Probable hydrolase PNKD (PNKD) (NM_022572) Human Untagged Clone
Tag:	Tag Free
Symbol:	Probable hydrolase PNKD
Synonyms:	BRP17; DYT8; FKSG19; FPD1; KIPP1184; MR-1; MR-1S; MR1; PDC; PKND1; PNKD1; R1; TAHCCP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_022572.3
 ATGGCTTGGCAGGGCTGGCCCGCGGCTGGCAGTGGGTCGCCGGCTGCTGGCTCCTCCTC
 GTCCTTGTCTCGTCTACTTGTGAGCCCCGCGGCTGCCGAGCGCGGGGGCCCTCCGC
 GGTCTGCTCATGGCGCACAGCCAGCGGCTGCTCTTCCGAATCGGGTACAGCCTGTACACC
 CGCACCTGGCTCGGGTACCTCTTCTACCGACAGCAGCTGCGCAGGGCTCGGAATCGGTAC
 CCTAAAGGCCACTCGAAAACCCAGCCCCGCTCTTCAATGGAGTGAAGGTGCTTCCCATC
 CCTGTCTCTCGACAACTACAGCTACCTCATCATCGACACCCAGGCCAGCTGGCTGTG
 GCTGTGGACCCTCAGACCCTCGGGCTGTGCAGGCTTCCATTGAAAAGGAAGGGTCAACC
 TTGGTCGCCATTCTGTGTAACAAGCACTGGGACCACAGTGGAGGAAACCGTGACCTC
 AGCCGGCGGCACCGGACTGTGGGTGTACGGGAGCCCTCAGGACGGCATCCCCTACCTC
 ACCCATCCCCTGTGCATCAAGATGTGGTACGCTGGGACGGCTTCCAGATCCGGGCCCTG
 GCTACACCTGGCCACACAAAGGCCATCTGGTCTACCTACTGGATGGGGAGCCCTACAAG
 GGTCCCTCCTGCCTTCTCAGGGGACCTGCTCTTCTCTGCTGTGGCGGACCTTT
 GAGGGCAATGCAGAGACCATGCTGAGCTACTGGACACTGTGCTGGGGCTAGGGGATGAC
 ACCCTTCTGTGGCTGGTATGAGTATGCAGAGGAGAACCTGGGCTTTCAGGTGTGGT
 GAGCCCGAGAACCTGGCCCGGGAGGAAAGATGCAGTGGGTGCAGCGGCAGCGGCTGGAG
 CGCAAGGGCAGCTGCCATCTACCTGGGAGAGGAGCGCTCTACAACCCGTTTCTGAGA
 ACCCACTGCCTGGCGCTACAGGAGGCTCTGGGGCCGGGGCCGGGCCCACTGGGGATGAT
 GACTACTCCCGGGCCAGCTCCTGGAAGAGCTCCGCCGGCTGAAGGATATGCACAAGAGC
 AAGTGTAGCCCCAGCGCCCCAGCCAGCCACTCCCGCATGGGGAGGGCCGCCACCAC
 CAACACCTCATCATCTTCTCATCGCTAACACCACCACCTCCATCGGCACCCAAGCGGGC
 ATCATCCCCACACTGCTCAGGGGAGGGGAGGGATCAGGCGATGAGACTGTGAGGCCAA
 AAGAAGCGGGCTGTTGGAGGCTGGAAACCCCGCAGCGGAGGCTGCCTCATCAACGGCA
 AGAGGAAAGGAGGGGTCTCGGGACATCTCCAGACCCTACCAACTGGGAGGGTCCCCTCCT
 CCTTCCCTACTCCTGGGACGGCAGCAAGGACATGGGGGCTGCTGTAGCTTCTCCGTCAG
 GAGGCTCATCTCACTGTAGCCCTGGAACCCAGGGTCCATCTTGCCTTCCCCATCCAT
 GGTTGGGAAAGAAGCTCAGCCCCCACAGTGGCCTCAAGTGTGATGCCTTACAAAAGCAC
 CACTCAGATGGGAGCTGGACTCTGGTGTCTGAGACTCTGCCCTTCCACAGCCTCC
 CTGCCCAACCATCCCTGCAAAGCCATTTTTCAGACAGAGCCATTCCTAAGAACTGAA
 GGGCTGGAATGCTGGCTGGCCACTCTCTGCCTCAGTGGCCTCCCTACAGCCTGGAAGAAG
 GAGGGTCTGATTGCCAAGGAACTCCTCATTGGGCTAAGGAGACTGGAGTCTGGAG
 TGTGGAGCCCCACAGTCTTGCAGGTCACATGCTCTCCTTGCACATCTGGCCTGGTGTAC
 CCACTGGCCTCTGCCTCTGCCCTGGGCCAAAAGGGCCCTCCTTGCAGGGGAGAGACAG
 CCACGGTCTCTTTGGCCGATGCTGTATTCTCATTGTCCTTGTCTTAGGCCGTCT
 GCCCGCTTCTCCATCTAACCTTCTGTTTTATCCGACGCCCTTTCTTCTTTGAGTT
 AGTAAAGATTTATTCTGTAACCTGACACTCATCTGGCCCTTTCAGTGTGCCAGCCATAT
 TCCCATGTGATTTCCCACTGGATCCAGGCCCCATCCGGCTGGCAGGAGGGGGCTGAC
 GTGCAGGTTGAAATCAGAAGTCTGTGAGAGCGCGGAGTGCATGGCAGCTCTGGGTCCC
 AGACCTGGCCCGACCCCTCTGCTTACCTCCAGCTCTGCTGCTCTACTCTTGGGTCCG
 AGATCCCTTTGGAGCCACAGCGAGGAACCCTGTGGTCTCAGGCAGGTGTACCTTGAGTC
 AGCCAGGAGCCCTTTTTCTGTGTAAGCCTGCCCTCGGGCTGCTCACCTCTGGTG
 ACCCTCCAAGATGCCCTGCCCTCAGTTTCCCCTCATGATCTGGCCTCTGCCCTTCTC
 TAGCCACAGCCTTAGTACACTTATAGCAATACCACCAGACTAGTTAGAGTTCCCCACTCA
 CCAAGCAAGACATGCAGTTTTCATGCCTCTGTGCCTTGCCTCATGCTGTTTCTCCGACTG
 GAATGCCTTCCCCTGCTCCTCTGCCTTGTCTGCCTGGCAAGTTCATCTCTCACGATCCC
 CTCAAAGGCCCTCCTCCAGGAAGCAACCCCTGTGCCCTCCCCTCCAGGCTACCTCT
 GCACTTTGTCAATGCTTCTCTTGTGGCACTTATCACACTGATTTTACTGTTTACATGT
 TTGTCTCCCTTCTAGACTGTGAATCCTTAAGGGCATGGACTGTATCTTATGCATCTGT
 TATTTCTGCGCCTAGCACGGTGCCTAGCACACAGTAGGCGCTCAATAAATGTTGAATGAA
 TGAATGATTTAATCAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:	NM_022572
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_022572.3</u> , <u>NP_072094.1</u>
RefSeq Size:	2986 bp
RefSeq ORF:	1086 bp
Locus ID:	25953
UniProt ID:	<u>Q8N490</u>
Cytogenetics:	2q35
Domains:	lactamase_B
Protein Families:	Transmembrane
Gene Summary:	<p>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. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (2), alternately referred to as the medium form (MR-1M), differs in the 5' UTR and has multiple coding region differences, compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (2) with a shorter N-terminus, compared to isoform 1.</p>