

## Product datasheet for **SC100172**

### Probable hydrolase PNKD (PNKD) (NM\_015488) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Probable hydrolase PNKD (PNKD) (NM_015488) 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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015488, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCGGTGGTAGCTGCTACGGCGCTGAAGGGCCGGGGGCGAGAAATGCCCGCTCCTCCGGGGA  
TTCTCGCAGGAGCCACAGCTAACAAGGCTTCTCATAACAGGACCCGGGCCTGCAAAGCCACAGCTCCC  
AGAGGGCAAGGAGGAACCTGAACCCCTATCCCGGAGCTGGAATACATTCCCAGAAAGAGGGCAAGAAC  
CCCATGAAAGCTGTGGGACTGGCTGGTACAGCCTGTACACCCGACCTGGCTCGGGTACCTCTTCTACC  
GACAGCAGCTGCGCAGGGCTCGGAATCGCTACCCTAAAGGCCACTCGAAAACCCAGCCCCGCTCTTCAA  
TGGAGTGAAGGTGCTTCCATCCCTGTCTCTCGGACAACACTACAGCTACCTCATCATCGACACCCAGGCC  
CAGCTGGCTGTGGCTGTGGACCTTCAGACCCTCGGGCTGTGCAGGCTTCCATTGAAAAGGAAGGGTCA  
CCTTGGTCCGCAATCTGTGTAACAAGCACTGGGACCACAGTGGAGGGAACCGTGACCTCAGCCGGCG  
GCACCCGGGACTGTGGGTGTACGGGAGCCCTCAGGACGGCATCCCCTACCTACCCATCCCCTGTGTCT  
CAAGATGTGGTACAGCGTGGGACGGCTTCAGATCCGGGCCCTGGCTACACCTGGCCACACACAAGGCCATC  
TGGTCTACCTACTGGATGGGAGCCCTACAAGGTCCTCCTGCCTCTTCTCAGGGGACCTGCTCTTCT  
CTCTGGCTGTGGGCGGACCTTTGAGGGCAATGCAGAGACCATGCTGAGCTCACTGGACACTGTGTGGG  
CTAGGGGATGACACCTTCTGTGGCCTGGTTCATGAGTATGCAGAGGAGAACCTGGGCTTTCAGGTGTGG  
TGGAGCCCAGAACCTGGCCCGGAGAGGAAGATGCAGTGGGTGCAGCGGACGGCTGGAGCCGCAAGGG  
CACGTGCCATCTACCCTGGGAGAGGAGCGCTCCTACAACCCGTTCTGAGAACCCACTGCCTGGCGTA  
CAGGAGGCTCTGGGCGCCGGGCCGGGCCCACTGGGGATGATGACTACTCCCGGGCCAGCTCCTGGAAG  
AGCTCCGCGGCTGAAGGATATGCACAAGCAAGTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_015488 unedited CACGGGTGAACATGGCGGCGGTGGTAGCTGCTACGGCGCTGAAGGCCGGGGGCGAGAAA TGCCCGGTCCTCCGGGGATTCTCGCAGGAGCCACAGCTAACAAAGGCTTCTCATAACAG GACCCGGGCCCTGCAAAGCCACAGCTCCCCAGAGGGCAAGGAGGAACCTGAACCCCTATC CCCGGAGCTGGAATACATTCCCAGAAAGAGGGGCAAGAACCCATGAAAGCTGTGGGACT GGCCTGGGCCATCGGCTTCCCTTGTGGTATCCTCCTTTCATCCTCACCAAGCGGGAAGT GGACAAGGACCGTGTGAAGCAGATGAAGGCTCGGCAGAACATGCGGTTGTCCAACACGGG CGAGTATGAGAGCCAGAGGTTTCAGGGCTTCTCCAGAGTGCCCGTCCCCTGATGTTGG GTCTGGGGTGCAGACCTGAGGAGCGCTGCGACCCTCTAGGCTATTGACTGTAAAGTCTT CAGGTTTGGCCAGATTCAGTTTCGTGCCTCTGAGGTCCACCAGAGGGCGCATGAAGCCC AGGCTGTTGCCAAACCCTACCCTGCCCCACACCAAGGAGCCAGCCAAAGGCAAATAAAGT TATTGAGTGTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015488
<b>Insert Size:</b>	4700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_015488.1</a></u> , <u><a href="#">NP_056303.1</a></u>
<b>RefSeq Size:</b>	3129 bp
<b>RefSeq ORF:</b>	3129 bp
<b>Locus ID:</b>	25953
<b>UniProt ID:</b>	<u><a href="#">Q8N490</a></u>
<b>Cytogenetics:</b>	2q35
<b>Protein Families:</b>	Transmembrane

**Gene Summary:**

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]

Transcript Variant: This variant (1), alternately referred to as the long form (MR-1L), represents the longest transcript and encodes the longest isoform (1).