

## Product datasheet for **SC315476**

### Probable hydrolase PNKD (PNKD) (NM\_001077399) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Probable hydrolase PNKD (PNKD) (NM_001077399) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNKD
Synonyms:	BRP17; DYT8; FKSG19; FPD1; KIPP1184; MR-1; MR-1S; MR1; PDC; PKND1; PNKD1; R1; TAHCCP2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001077399, the custom clone sequence may differ by one or more nucleotides ATGGCGGCGGTGGTAGCTGCTACGGCGCTGAAGGGCCGGGGGCGAGAAATGCCCGCGTC CTCCGGGGGATTCTCGCAGGAGCCACAGCTAACAAGGCTTCTCATAACAGGACCCGGGCC CTGCAAAGCCACAGCTCCCCAGAGGGCAAGGAGGAACCTGAACCCCTATCCCCGGAGCTG GAATACATTCCCAGAAAGAGGGGCAAGAACCCATGAAAGCTGTGGGACTGGCCTGGGCC ATCGGCTTCCCTTGTGGTATCCTCCTCTTCATCCTCACCAAGCGGGAAGTGGACAAGGAC CGTGTGAAGCAGATGAAGGCTCGGCAGAACATGCGGTTGTCCAACACGGGCGAGTATGAG AGCCAGAGGTTTCAGGGCTTCTCCAGAGTGCCCGTCCCCTGATGTTGGGTCTGGGGTG CAGACC
Restriction Sites:	Please inquire
ACCN:	NM_001077399
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).



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**Reconstitution Method:**

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:** [NM\\_001077399.1](#), [NP\\_001070867.1](#)

**RefSeq Size:** 756 bp

**RefSeq ORF:** 429 bp

**Locus ID:** 25953

**UniProt ID:** [Q8N490](#)

**Cytogenetics:** 2q35

**Protein Families:** 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 (3), alternately referred to as the short form (MR-1S), differs in the 3' UTR and has multiple coding region differences, compared to variant 1. This results in a frameshift in isoform 3, which has a distinct C-terminus and is shorter than isoform 1.