

Product datasheet for SC317618

Probable hydrolase PNKD (PNKD) (NM_015488) Human Untagged Clone

Product data:

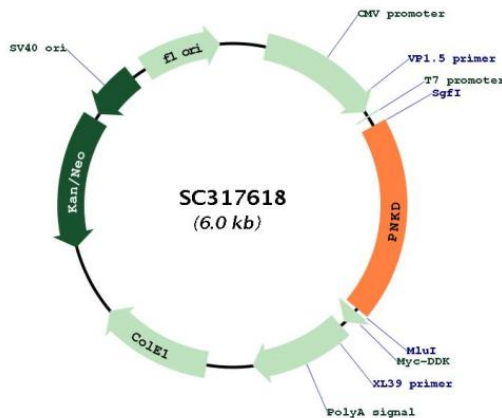
Product Type:	Expression Plasmids
Product Name:	Probable hydrolase PNKD (PNKD) (NM_015488) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNKD
Synonyms:	BRP17; DYT8; FKSG19; FPD1; KIPP1184; MR-1; MR-1S; MR1; PDC; PKND1; PNKD1; R1; TAHCCP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317618 representing NM_015488. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCGCGGTGGTAGCTGCTACGGCGCTGAAGGGCCGGGGGGCGAGAAATGCCCGCTCCTCCGGGGG
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CCAGAGGGCAAGGAGAACCTGAACCCCTATCCCCGGAGCTGGAATACATTCCCAGAAAGAGGGGCAAG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_015488

Insert Size: 1158 bp

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:

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_015488.4](#)

RefSeq Size: 3129 bp

RefSeq ORF: 1158 bp

Locus ID: 25953

UniProt ID: [Q8N490](#)

Cytogenetics: 2q35

Protein Families: Transmembrane

MW: 42.9 kDa

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).