

Product datasheet for RN200065

Ank3 (NM_031805) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ank3 (NM_031805) Rat Untagged Clone
Tag: Tag Free
Symbol: Ank3
Synonyms: ANK-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200065 representing NM_031805
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

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CAGGAGAAGCTGGGAAGTTTGAAGCAAACGAAACACGACAGAGTCAATCCAGAAGCAAAGGCCAAGGC
CTACTTTCCTGAATCCAAAACGATATAGGAAACAGAGCATCAAGGAGAACTTGAACCAAAAACACAC
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ACTAG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031805
Insert Size:	5955 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).
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:	NM_031805.1 , NP_113993.1
RefSeq Size:	7401 bp
RefSeq ORF:	5955 bp
Locus ID:	361833
UniProt ID:	O70511
Cytogenetics:	20p11

Gene Summary:

may play a role in the organization of the sarcoplasmic reticulum and postsynaptic membrane of skeletal muscle fibers [RGD, Feb 2006]

Transcript Variant: This variant (1) has a different 5' UTR and multiple differences in the coding region but maintains the reading frame, compared to variant 2. This variant encodes isoform 1 which is shorter than isoform 2. Isoform 1 is also known as AnkG217. Sequence

Note: This RefSeq record was created from genomic and transcript sequence data from multiple strains to make it consistent with the reference genome sequence.