

Product datasheet for **SC307200**

ANKK1 (NM_178510) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKK1 (NM_178510) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKK1
Synonyms:	PKK2; sgK288
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307200 representing NM_178510.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGTGCCGACCCACCGAGCTGCGGCTGGGCAGCCTCCCGTCTTCACCCGCGACGACTTCGAGGGC
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GAAGAAGCTGCCAAAATGAAGAAGTCAAGTTTACGACATCGTGTCTATCTACGGGGTGTGCAAGCAG
CCCCTGGTATTGTGATGGAGTTTATGGCCAACGGCTCCCTGGAGAAGGTGCTGTCCACCCACAGCCTC
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_178510

Insert Size: 2298 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:	<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_178510.1</u>
RefSeq Size:	2543 bp
RefSeq ORF:	2298 bp
Locus ID:	255239
UniProt ID:	<u>Q8NFD2</u>
Cytogenetics:	11q23.2
Protein Families:	Druggable Genome, Protein Kinase
MW:	84.6 kDa
Gene Summary:	The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and protein kinase superfamily involved in signal transduction pathways. This gene is closely linked to DRD2 gene (GeneID:1813) on chr 11, and a well studied restriction fragment length polymorphism (RFLP) designated Taq1A, was originally associated with the DRD2 gene, however, later was determined to be located in exon 8 of ANKK1 gene (PMIDs: 18621654, 15146457), where it causes a nonconservative amino acid substitution. It is not clear if this gene plays any role in neuropsychiatric disorders previously associated with Taq1A RFLP. [provided by RefSeq, Sep 2009]