

Product datasheet for **SC304813**

ANKFY1 (NM_020740) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKFY1 (NM_020740) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKFY1
Synonyms:	ANKHZN; DKFZp686M19106; KIAA1255; ZFYVE14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC304813 representing NM_020740.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGGAAGAGGAGGTGGCCAAGTTGGAGAAGCACTTGATGCTTCTGCGGCAGGAGTATGTCAAGCTG
CAGAAGAAGCTGGCGGAGACAGAGAAGCGCTGCGCTCTCTTGGCTGCGCAGGCAAACAAGGAGAGCAGC
AGCGAGTCCCTTCATCAGCCGTCTGCTGGCCATCGTGGCAGACCTCTACGAGCAGGAGCAGTACAGCGAT
CTGAAGATAAAGGTTGGGGACAGGCACATCAGTGCTCACAAGTTTGTCTTGGCAGCCCGCAGTGACAGC
TGGAGTCTGGCTAACTTGTCTTCCACTAAAGAGTTGGACCTGTCAGATGCTAATCCTGAGGTGACGATG
ACAATGCTTCGCTGGATCTATACAGATGAGCTGGAGTTTCAAGAGGATGATGTGTTCTGACTGAACTG
ATGAACTAGCAAATCGTTTTCAGCTACAGCTCCTCAGGAGAGATGTGAGAAGGGTGTATGTCTCTA
GTGAATGTCAGGAAGTATTGCTTCTACCAGACGGCAGAGGAGCTGAATGCCAGCACACTGATGAAC
TACTGTGCAGAAATTATTGCAAGTCATTGGGACGACCTGAGGAAGGAGGATTTACGAGCATGAGCGCT
CAGTTGTTATACAAAATGATCAAATCCAAGACAGAGTACCGCTACATAAAGCCATCAAAGTGGAGAGA
GAAGACGTGGTCTTCTGTATCTGATTGAAATGGATTCCAGCTCCCTGGGAAGCTGAATGAAGCGGAT
CATAACGGAGATCTGGCATTAGATCTAGCCCTCTCACGACGACTGGAGAGTATTGCCACCACGCTGGTT
AGTCACAAAGCTGATGTGGACATGGTGGACAAGAGTGGCTGGAGCTTGTACACAAAGGAATCCAAAGA
GGAGATCTCTTTGCTGCCACTTTCCTCATTAAAGATGGGGCTTTGTCAACGCTGCTACACTGGTGCC
CAGGAGACACCACTGCACCTTGTGGCCTGTACAGTTCAAAGAAACACTCAGCAGATGTGATGTCTGAG
ATGGCGCAGATTGCAGAGGCCCTTCTGCAGGCTGGTGCCAACCCCAACATGCAGGACAGCAAGGGGAGG
ACTCCTTTACATGTGTCCATCATGGCCGGGAATGAATATGTGTTCACTCAGTCACTGCTGCAGTGCAACAA
CTAGATTTAGAACTCAAAGACCACGAGGGCAGCACGGCTCTGTGGCTGGCAGTGCAGCATATCACAGTG
TCTTCTGACCACTGTGTGAACCCCTTCGAAGATGTCCCGTGGTAAATGGGACTTCATTTGATGAGAAC
AGCTTTGCAGCCAGACTCATCCAGCGCGGCAGCCACACAGACGCACCTGACACGGCGACAGGTAAAGCA
CGTGCCTCCCGAAGGGGCGACGCTGGGGTCTGCAGGCGCCAGGAAATGGCATGTAATGCCTTACCCCC
AAATTTAGAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_020740

Insert Size: 1464 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_020740.2

RefSeq Size: 1927 bp

RefSeq ORF: 1464 bp

Locus ID: 51479

Cytogenetics: 17p13.2

MW: 54.8 kDa

Gene Summary: This gene encodes a cytoplasmic protein that contains a coiled-coil structure and a BTB/POZ domain at its N-terminus, ankyrin repeats in the middle portion, and a FYVE-finger motif at its C-terminus. This protein belongs to a subgroup of double zinc finger proteins which may be involved in vesicle or protein transport. Alternate splicing results in multiple transcript variants of this gene. [provided by RefSeq, Apr 2012]

Transcript Variant: This variant (2) contains a distinct 3' UTR and 3' coding region, compared to variant 1. The resulting isoform (2) has a shorter, distinct C-terminus when compared to variant 1. Isoform 2 also lacks the FYVE-finger motif found in isoform 1.