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Product datasheet for SC318534

ANKFY1 (NM_016376) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKFY1 (NM_016376) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKFY1
Synonyms:	ANKHZN; BTBD23; ZFYVE14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318534 representing NM_016376. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTA
CCGAGGAGATCTGCCGCCGCGATCGCCGGCGCGCCC
ATGGCGGAAGAGGAGGTGGCCAAGTTGGAGAAGCACTTGATGCTTCTGCGGCAGGAGTATGTCAAGCTG
CAGAAGAAGCTGGCGGAGACAGAGAAGCGCTGCGCTCTCTTGGCTGCGCAGGCAAACAAGGAGAGCAGC
AGCGAGTCCTTCATCAGCCGTCTGCTGGCCATCGTGGCAGACCTCTACGAGCAGGAGCAGTACAGCGAT
CTGAAGATAAAGGTTGGGGACAGGCACATCAGTGCTCACAAGTTTGTCCTGGCAGCCCGCAGTGACAGC
TGGAGTCTGGCTAACTTGTCTTCCACTAAAGAGTTGGACCTGTCAGATGCTAATCCTGAGGTGACGATG
ACAATGCTTCGCTGGATCTATACAGATGAGCTGGAGTTCAGAGAGGATGATGTGTTCCTGACTGAACTG
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ACTCCTTTACATGTGTCCATCATGGCCGGGAATGAATATGTGTTCAGTCAGCTGCTGCAGTGCAAACAA
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GTCAACCACAGAAACAAGTGGGGAGAAACCCCGTTGCACACAGCGTGTCGGCATGGCCTGGCCAACCTC

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ACGGCAGAGCTCCTGCAGCAAGGCGCCAACCCAAACCTGCAGACGGAGGAAGCTCTGCCTCTGCCAAAG
GAGGCCGCATCCCTGACCAGCTTGGCGGACAGCGTCCATCTGCAGACGCCACTGCACATGGCGATCGCC
TATAACCATCCGGATGTGGTGTCTGTCATCCTGGAGCAGAAAGCCAATGCTCTTCATGCCACCAACAAC
TTGCAGATCATTCCGGACTTCAGCCTCAAAGATTCCCGAGACCAGACTGTGCTGGGCCTGGCATTATGG
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ACCCCCATCCACGTGGCCATCAGCAGCCAACACGGTGTCATCATTCAGCTGTTGGTTTCTCACCCCGAT
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ATTTTGGGACAATATGGCAAGGAGAATGCAGCGGCCATCTTTGATCTCTTCCTAGAATGCATGCCGGGG
TATCCTCTGGACAAGCCGGATGCAGACGGCAGCACGGTGCTGCTCCTGGCATACATGAAAGGGAACGCC
AACTTGTGCCGCGCCATCGTCCGGTCGGGGGCTCGCCTCGGGGTGAATAACAACCAGGGAGTCAACATC
TTCAACTACCAGGTCGCCACCAAGCAGCTCCTGTTCCGACTGCTGGATATGCTGTCCAAGGAGCCTCCG
TGGTGTGACGGCTCCTACTGCTATGAGTGCACTGCCAGGTTCGGAGTCACCACTCGCAAACACCACTGT
CGTCACTGCGGACGTCTTCTTTGCCATAAATGCTCGACCAAGGAGATTCCTATTATAAAGTTTGATCTG
AACAAGCCTGTGCGGGTTTGCAACATTTGTTTTGATGTACTGACTCTGGGTGGGGTTTCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	AscI-MluI
ACCN:	NM_016376
Insert Size:	3513 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_016376.3
RefSeq Size:	7959 bp
RefSeq ORF:	3513 bp
Locus ID:	51479
UniProt ID:	Q9P2R3
Cytogenetics:	17p13.2
Domains:	BTB, FYVE, ANK
MW:	128.5 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 (1) encodes isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.