

Product datasheet for **SC304270**

ANKS1A (NM_015245) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKS1A (NM_015245) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKS1A
Synonyms:	ANKS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304270 representing NM_015245. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGGGGAAGGAGCAGGAGCTGCTGGAGGCGGCCGACCGGGCACCTCCCGCGGTGGAGAAGCTGCTG
TCCGGGAAGCGGCTCTCCTCAGGCTTTGGGGCGGCGGCGGCGGTGGCTCTGGGGCGGCGGCGGCGGC
AGCGGCGGCGGCGGCGGCGGCGCTCGGCTCTTCCAGCCACCCCTCTCCAGTCTGCTCAGCATGTGGAGA
GGGCCAAATGTGAAGTGTGTTGACAGCACTGGCTACACACCCCTGCACCATGCTGCTTTGAATGGCCAT
AAGGATGTGGTCGAGGTTCTTCTGAGGAACGATGCGCTGACCAACGTGGCTGACTCAAAAGGCTGCTAC
CCTCTGCATTTGGCAGCCTGAAAGGAGATGCCAGATAGTGCAGTTGCTCATCCATCAAGGGCCTTCA
CACACCAGAGTCAATGAACAGAAATGACAACGAGACAGCCCTGCATTGTGCAGCGCAGTATGGCCAC
ACAGAGGTGGTGAAGGTGCTCTTAGAGGAGCTGACGGACCCACCATGCGCAACAACAAATTCGAGACC
CCTTTGGACCTGGCAGCACTGTACGGGCGACTGGAGGTGGTGAATGCTCCTTAATGCACACCCCAAC
CTCCTGAGCTGCAACACTAAGAAGCACACCCCTCTGCACTTGGCAGCAAGGAATGGCCACAAAGCCGTG
GTCCAGGTCTCCTCGATGCTGGCATGGACAGCAACTACCAGACGGAGATGGGCAGTGCTTTGCATGAG
GCTGCTTTGTTTGGCAAGACCGATGTGGTGAAATCCTGCTGGCTGCAGGAAGTACGCTCAACATAAAA
GATAACCATGGACTGACTGCCCTAGACACTGTTTCGGGAAGTGCCTTCTCAAAAGAGCCAGCAATAGCA
GCATTAATTGAAGATCACATGACTGGAAGAAAGTACAAAGAAAGTAGATAAAACCCCGCCAGCCAG
CCACCTCTCATCTCCAGTATGGACTCCATATCACAGAAGTCTCAGGGTGACGTGGAGAAAGCAGTGACT
GAACTGATTATAGATTTTGATGCAATGCTGAAGAAGAGGGTCCCTACGAAGCTCTGTATATGCCATC
TCCTGCCATTCTGTTGGACAGCATGGCCAGCGGCGATCATCTGACCAAGACTCCACGAACAAGGAGGCT
GAGGCAGCAGGAGTGAAACCTGCTGGAGTGAGGCCTAGGGAACGTCCACCACCTCCAGCAAGGCCACCG
CCCGATGAAGAGGAAGAAGACCACATAGATAAGAAGTATTTTCCCTTGACAGCTTCTGAGGTTCTGTCC
ATGAGACCTAGGATTCATGGGAGTGACGCCGGAAGAAGACGAACCCCTTATGAAGTGTGTTAAACA
GCAGAGACAAAGAAAGTGGTGTGGTGGATGGAAGAAAGACCAAGCGGAGCAGCAGCAGCCGG
AGCCAGGACTCTCGGAGGGGACGAGCGGCAGGTCCAGAGCAGTTCTCAGGCCTCTCCACGGCTCC



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TCCCCGGTGTGCGAGGTGGGGCAGGACCCCTTCCAGCTGCTCTGTACCGCTGGCCAGAGCCATCCAGAC
 GGGTCCCCCAGCAGGGCGCCTGCCACAAGGCCAGCATGCAGCTGGAGGAGACGGGTGTGCATGCTCCT
 GGAGCCTCCCAGCCCAGTGCCCTGGACCAGAGCAAGAGAGTGGGTACCTCACAGGCCTGCCACCACC
 AACAGCCGCTCGCACCCTGAACTTTGACTCACACAGCATCTCCGCACCTGGTGGTGTGAGGAAGGA
 GACCGGAGTGGGGCCAGGAGCCGAGCGCCTCCCACTAGCAAACCCAAAGCTGAACTCAAACCTCAGCCGC
 AGCTTGTCCAAGTCTGACTCTGATCTCCTGACCTGCTCACCCACAGAGGACGCTACCATGGGGAGTCGG
 AGTGAGTCCTTATCCAAGTGCAGCATTTGGGAAGAAAAGGCTAGAGAAGTACCCTCCTTCGCCTCGGAG
 TGGGATGAGATTGAGAAAATCATGAGTTCTATTGGAGAAGGGATTGACTTTTCTCAGGAACGGCAGAAG
 ATCTCAGGTTTACGGACGCTGGAGCAGAGTGTGCGGGAGTGGCTGGAGTCGATTGGGCTGCAGCAGTAT
 GAGAGCAAGTTGCTTCTGAATGGCTTTGACGATGTCCACTTCTGGGGTCTAATGTGATGGAAGAGCAG
 GACCTGCGGGACATCGGCATCAGCGACCCACAGCACCGGCGGAAGCTGCTCCAGGCGGCACGCTCCCTA
 CCCAAGGTGAAGGCTCTGGGTTATGACGGGAACAGCCCCCTAGCGTGCCCTCCTGGCTGGACTCCCTG
 GGGCTGCAGGACTACGTCCATTCTTCTGTCAAGTGGTTACAGCTCCATTGACACCGTGAAGAACCTC
 TGGGAGCTAGAGCTCGTCAATGTCTGAAGGTCCAGCTGCTCGGCCATCGCAAGCGCATCATCGCCTCC
 CTCGACAGACAGCCGTACGAGGAGCCGCCCGAGAAGCCCCCAGATTCTCCAGCTGAGGTGCCAAGAT
 TTGCTCTCCAGACGTCATCCCCACTGAGTCAGAATGATTCTGCACTGGGCGGTGCGCAGATCTGCTG
 CTGCTCCAGGGGACACAGGCAGGAGGCCCATGACAGTCTCCATGACCTGCGGCACCCCTCCCGAGCG
 GAGCGCTTCAGGATCCAGGAGGAGCACCGTGAGGCCAAGCTGACCTGCGGCCCCGAGCCTGGCAGCC
 CCCTACGCCCCAGTGACAGGTTGGCAACACCAGCCAGAGAACTCATCTTCGAGTCTGTGGTTATGAA
 GCCAATTATCTGGGCTCCATGCTGATCAAAGATCTGCGAGGGACAGAATCCACGCAAGACGCTGTGCC
 AAGATGCGGAAATCTACGGAGCACATGAAGAAGATCCCCACCATCATCTGTCCATCACATACAAAGGT
 GTCAAGTTCATCGATGCCTCCAACAAGAACGTCATTGCAGAGCACGAGATCCGGAACATTTCTGTGCG
 GCCCAGGACCCGAGGACCTCTGTACCTTGCCTACATACCAAGGACCTGCAGACCAGCCACCCTAT
 TGCCATGTGTTACGACCGTGAGTGTGAACCTGACCTACGAGATCATCCTGACGCTGGGGCAGGCCTTC
 GAAGTGGCCTATCAGTTGGCCCTGCAGGCCCAGAAGTCCAGGGCGACGGGCGCCTCTGCAGCTGAGATG
 ATTGAAACAAATCTTCCAAACCGGTGCCTAAGCCTCGGGTGGCGTGAGGAAATCCGCACTGGAACCA
 CCTGATATGGACCAAGATGCCCAATCCCATGCCAGTGTCTCCTGGGTTGTGGACCCCAAACCAGACTCT
 AAGCGGAGCCTCAGCACCAACTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_015245
Insert Size:	3405 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:	<u>NM_015245.2</u>
RefSeq Size:	6355 bp
RefSeq ORF:	3405 bp
Locus ID:	23294
UniProt ID:	<u>Q92625</u>
Cytogenetics:	6p21.31
MW:	123.1 kDa
Gene Summary:	Regulator of different signaling pathways. Regulates EPHA8 receptor tyrosine kinase signaling to control cell migration and neurite retraction (By similarity).[UniProtKB/Swiss-Prot Function]