OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG232702

ANKS1B (NM_001204070) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKS1B (NM_001204070) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKS1B
Synonyms:	AIDA; AIDA-1; ANKS2; cajalin-2; EB-1; EB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG232702 representing NM_001204070
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGTGGCAATGCCACCTCTCAGCCCAGGACTACCGCTATTACCCCGTGGACGGCTACTCCCTGCTTA
AACGCTTCCCTCTTCATCCTCTTACAGGACCCAGATGCCCTGTCCAAACAGTGGGACAATGGTTGGAAAG
CATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTTGACAATGTGCAGTTTATGGGAAGC
AATGTTATGGAAGATCAGGATTTGTTGGAAATTGGAATCCTTAATTCTGGGCACAGACAAAGAATTCTAC
AGGCAATCCAGCTCCTTCCAAAGATGAGACCCATTGGGCATGATGGCTACCATCCCACCTCTGTAGCTGA
GTGGCTGGATTCCATTGAACTGGGCGACTACACCAAAGCCTTTCTAATTAATGGCTACACTTCGATGGAC
CTGTTGAAAAAAATCTGGGAGGTTGAACTTATTAATGTTTTAAAAATCAATTTGATTGGCCACAGGAAAC
GTATTTTGGCATCTCTGGGAGACAGGCTGCACGACGATCCCCCACAGAAGCCCCCTCGGTCCATCACCCT
CAGGACAGGAGACTGGGGAGAACCTTCCATTACCTTGCGACCTCCGAATGAAGCCACAGCCTCTACCCCG
GTACAGTACTGGCAGCATCACCCAGAAAAGCTTATCTTCCAGTCGTGTGATTACAAAGCTTTTTATTTAG
GTTCTATGCTGATAAAAGAGCTTAGGGGGACAGAATCAACCCAAGATGCTTGTGCAAAAATGCGGGCTAA
CTGTCAGAAGTCTACAGAGCAAATGAAGAAGGTCCCTACTATTATTCTTTCTGTCTCATATAAAGGAGTC
AAATTTATTGATGCAACAAATAAGAACATAATTGCTGAGCATGAAATTCGTAATATCTCCTGTGCTGCCC
AGGACCCAGAAGACCTCTCAACATTTGCCTATATCACAAAAGATTTGAAGTCTAATCACCACTACTGTCA
TGTGTTTACTGCCTTTGATGTGAATTTAGCCTATGAAATCATCCTAACCCTGGGACAGGCATTCGAAGTC
GCTTACCAGCTAGCACTACAAGCAAGAAAAGGGGGACACTCCTCCACACTTCCAGAAAGCTTTGAAAACA
AACCCTCCAAACCCATCCCCAAGCCCCGCGTTAGCATTCGCAAGTCCGTGCAGATCGACCCATCTGAGCA
AAAGACTCTGGCCAATCTACCGTGGATTGTGGAGCCGGGCCAAGAAGCCAAGAGGGGCATTAATACCAAG
TATGAAACCACGATTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

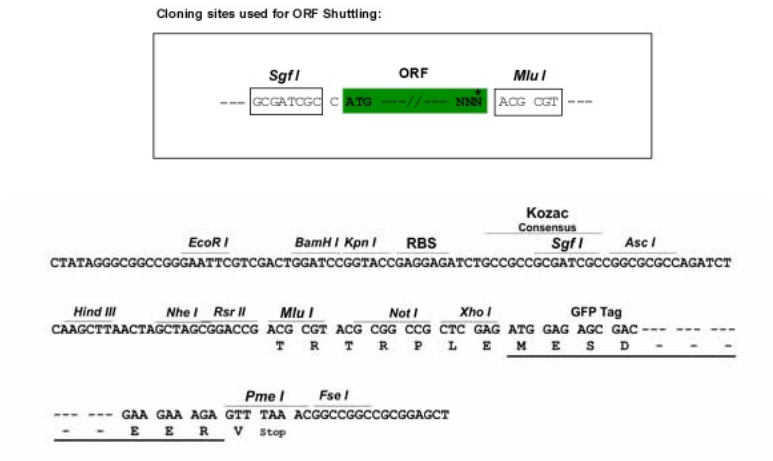
>RG232702 representing NM_001204070
Red=Cloning site Green=Tags(s)

MMWQCHLSAQDYRYYPVDGYSLLKRFPLHPLTGPRCPVQTVGQWLESIGLPQYENHLMANGFDNVQFMGS
NVMEDQDLLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDYTKAFLINGYTSMD
LLKKIWEVELINVLKINLIGHRKRILASLGDRLHDDPPQKPPRSITLRTGDWGEPSITLRPPNEATASTP
VQYWQHHPEKLIFQSCDYKAFYLGSMLIKELRGTESTQDACAKMRANCQKSTEQMKKVPTIILSVSYKGV
KFIDATNKNIIAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHYCHVFTAFDVNLAYEIILTLGQAFEV
AYQLALQARKGGHSSTLPESFENKPSKPIPKPRVSIRKSVQIDPSEQKTLANLPWIVEPGQEAKRGINTK
YETTIF

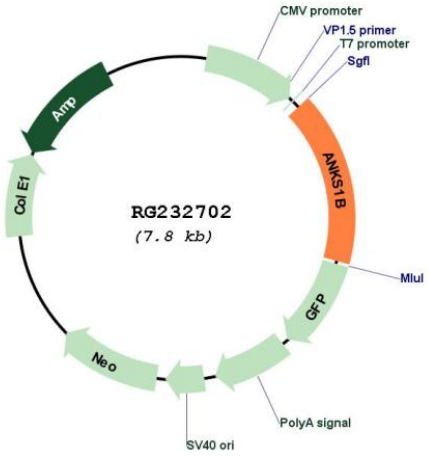
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001204070

ORF Size:	1278 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001204070.2
RefSeq Size:	3443 bp
RefSeq ORF:	1281 bp
Locus ID:	56899
UniProt ID:	Q7Z6G8
Cytogenetics:	12q23.1
Gene Summary:	This gene encodes a multi-domain protein that is predominantly expressed in brain and testis. This protein interacts with amyloid beta protein precursor (AbetaPP) and may have a role in normal brain development, and in the pathogenesis of Alzheimer's disease. Expression of this gene has been shown to be elevated in patients with pre-B cell acute lymphocytic leukemia associated with t(1;19) translocation. Alternatively spliced transcript variants encoding different isoforms (some with different subcellular localization, PMID:15004329) have been described for this gene. [provided by RefSeq, Aug 2011]