

Product datasheet for **RG234412**

ANKS3 (NM_001242929) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKS3 (NM_001242929) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234412 representing NM_001242929
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGAGCTCAGCGATGAAGCCAGCGAGCCGGAACCTCTGAACCGCAGCTTGCCATGTGGACGGGC
 TCGGGACACAGGTCAGCGGGGAGGAGCTGGATGTCCCTGGATCTTCACACAGCTGCTTCCATTGGCCA
 GTATGAAGTGGTGAAGGAGTGTGTGCAGCGGGAGCCGATATGTGGATTTACTCCCTTGATGGAAGCAGCT
 GCTGCTGGCCATGAGATAATCGTGCAGTATTTCTGAATCACGGAGTCAAGGTGGACGCGAGAGACCACA
 GTGGAGCCACAGCCCGGATGCTGGCCAAGCAGTACGGACACATGAAGATCGTGGCCTTGATGGACACTTA
 CTCGCCCTCTCTGCCAAGAGCCTCTATCGGAGCCAGAAAAGTACGAAGATCTGAGCTCTTCTGACGAG
 TCCTGCCCTGCTCCTCAGAGACAGAGGCCTTGCCGAAGAAGGGTGTGAGCATCCACGAGGGACCGGAG
 CCCTGGCCAGGATCACAGGCATTGGCCTGGGCGGCAGAGCCACGGCCTCGCTATGAGCAGGCTCCTCC
 CCGTGGCTATGTCACCTTCAACAGCAGTGGCGAGAAGCCCTGGAAGAAGAGGGCCTCTGCTGCCGGGAT
 GTCACCTCCCCATCAATGAGCGGGATGTGGAGAGCAGCAGCAGCAGCAGCAGTCCGGAGGAACATGCTT
 TCTGTGCCAACCTGGGGCCCGTCCAGAGCAGCAGCAGCAGCAGGAGGCTGGCCAGAGCCAGGGGCTCAG
 CAGCGAAGCTTCTGTGGAGAGCAACGAGGACTCGGATCATGCCTGTAAAAGCTCAGCTCGCAACAAGCT
 AAAAGTTACATGAAGACCAAGAATCCTGACAGCCAGTGGCCTCCCCGCGCTGCAACTGACAGGGAAGGCT
 TTCTCGCTGAGTCCAGCCCCAGACTCAGAGGGCCCCCTACTCAGGACCCAGGACCTTGCCGCACTGCT
 GGAGCAGATCGGGTGTCTGAAGTACCTGCAGGTGTTTGAGGAGCAGGACGTGGACCTCCGCATCTTCTG
 ACCCTCACTGAGAGCGACCTGAAGGAAATTGGCATCACGCTGTTTGGGCCAAGAGGAAGATGACGTCCG
 CCATTGCCCGCTGGCACAGCAGTGCCCGCCACCCGGGGATGCCCTGGAGCTGGCCTACGCCGACCGGCT
 GGAGGCTGAGATGCAGGAGCTCGCCATCCAGCTGCACAAGCGCTGCGAGGAGGTAGAGGCCACGCGGGG
 CAGGTGTGTGAGGAGCAGGAGCTGCGCGCCGTGGTGGAGAGCTGCCTGCTGGAGCAGGACCGCGCCGCG
 AGGACCTCCAGGCGCGGCTGCGGGAGAGCTGGGCCCTGGCCGGGATGCTGCCCTCGTCTGGACCAGCT
 GCGAGCCTGTCAAGCTGAGCTGTCATCTCAGTGGAGCAGGACGAGCCCTGGTGCAGCCACTCTGGGC
 CTAGCCGTCACCCAGCTGACTCCAAGGGCTGGCAAGCGTCCCTGCAGGCCATGAGCCTCCCGAGCTCT
 CGGGAGCCCTGGAGGACCGTGTCCGTGAGATGGGGCAAGCACTGTGCTTAGTGACCCAGAGCCTGGAGAA
 GCTGCAGGTGCTGAACGGGAAGAAGTGGCGGGAGACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

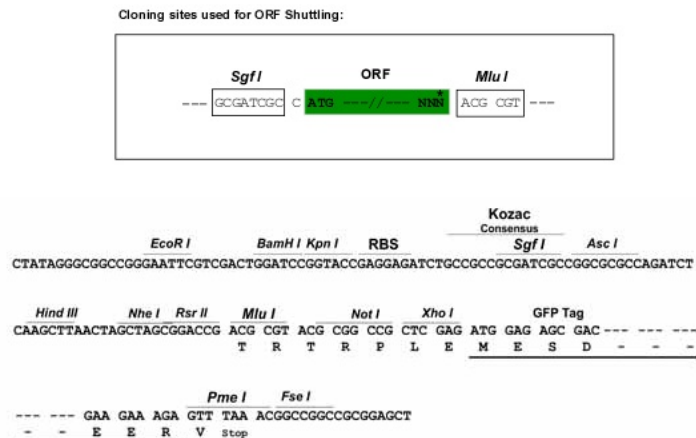
>RG234412 representing NM_001242929
 Red=Cloning site Green=Tags(s)

MSELSDASEPELLNRSLSMWHGLGTQVSGEELDVPLDLHTAASIGQYEVVKECVQREPICGFTPLMEAA
 AAGHEIIVQYFLNHGVKVDARDHSGATARMLAKQYGHMKIVALMDTYSPLPKSLYRSPEKYEDLSSSDE
 SCPAPQRQRPCRKKGVSIHEGPRALARITGIGLGGRAPRPRYEQAPPRGYVTFNSSGENPLEEEGLCCRD
 VTSPINERDVESSSSSSREEHAFCANLGPVQSSSSSEGLARAQGLSSEASVESNEDSDHACKSSARKQA
 KSYMKTKNPDSQWPPRAATDREGFLAESSPQTQRAPYSGPQDLAALLEQIGCLKYLQVFEEQDVLRIFL
 TLTESDLKEIGITLFGPKRKMTSAIARWHSSARPPGDALELAYADRLEAEMQELAIQLHKRCEEVEATR
 QVCQEQLRAVVESCLLEQDRAREDQLARLRETWALARDAALVLDQLRACQAEISSRVRQDQPPGAATLG
 LAVPPADSKGWQASLQAMSLPELSGALEDVRVEMGQALCLVTQSLEKLQVLNGKKWRET

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001242929

ORF Size: 1647 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_001242929.1](#), [NP_001229858.1](#)

RefSeq Size: 2272 bp

RefSeq ORF: 1650 bp

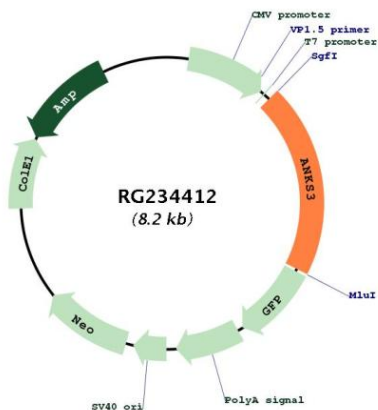
Locus ID: 124401

UniProt ID: [Q6ZW76](#)

Cytogenetics: 16p13.3

Gene Summary: May be involved in vasopressin signaling in the kidney.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234412