

Product datasheet for **RG223862**

ANKS3 (NM_133450) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKS3 (NM_133450) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG223862 representing NM_133450
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGAGCTCAGCGATGAAGCCAGCGAGCCGGAACCTCTGAACCGCAGCTTGCCATGTGGCACGGGC
 TCGGGACACAGGTCAGCGGGGAGGAGCTGGATGTCCCCCTGGATCTTCACACAGCTGCTTCCATTGGCCA
 GTATGAAGTGGTGAAGGAGTGTGTGCAGCGGAGAGAGTTAGATTGAATAAGAAGATGGTGGTGGCTGG
 ACCCCGCTGATGTATGCCTCCTACATTGGCCACGACACAATCGTGCACCTGCTGCTTGAGCGGGGGTGA
 GTGTGAATGTGCCGACCCAGAGGGCAGACTCCACTGATGCTGGCCTCCAGCTGTGGCAACGAGAGCAT
 CGCCTACTTTCTTCTCCAGCAAGGTGCAGAGCTAGAAATGAAAGACATCCAGGGCTGGACAGCCCTCTTC
 CACTGTACCAGCGCCGGGCACCAGCACATGGTCAGGTTCTCTTGACAGTGGAGCCAATGCCAACGTGA
 GGGAGCCGATATGTGGATTTACTCCCTTGATGGAAGCAGCTGCTGCTGGCCATGAGATAATCGTGCAGTA
 TTTTCTGAATCACGGAGTCAAGGTGGACGCGAGAGACCACAGTGGAGCCACAGCCCGGATGCTGGCCAAG
 CAGTACGGACACATGAAGATCGTGGCCTTGATGGACACTTACTCGCCCTCTCTGCCCAAGAGCCTCTATC
 GGAGCCCAGAAAAGTACGAAGATCTGAGCTCTTCTGACGAGTCCCTGCCCTGCTCCTCAGAGACAGAGGCC
 TTGCCGGAAGAAGGGTGTGAGCATCCACGAGGGACCGGAGCCCTGGCCAGGATCACAGGCATTGGCCTG
 GGCGGCAGAGCCCCACGGCCTCGCTATGAGCAGGCTCCTCCCCGTGGCTATGTCACCTTCAACAGCAGTG
 GCGAGAACCCCTGGAAGAAGAGGGCCTCTGCTGCCGGGATGTCACCTCCCCCATCAATGAGCGGGATGT
 GGAGAGCAGCAGCAGCAGCAGTGGGAGGAACATGCTTTCTGTGCCAACCTGGGGCCCGTCCAGAGC
 AGCAGCAGCAGCAGGCGCTGGCCAGAGCCAGGGGCTCAGCAGCGAAGCTTCTGTGGAGAGCAACGAGG
 ACTCGGATCATGCCTGTAAAAGCTCAGCTCGCAACAAGCTAAAAGTTACATGAAGACCAAGAATCCTGA
 CAGCCAGTGGCCTCCCCGCGCTGCAACTGACAGGGAAGGCTTTCTCGCTGAGTCCAGCCCCAGACTCAG
 AGGGCCCCCTACTCAGGACCCAGGACCTTGCCGCACTGCTGGAGCAGATCGGGTGTCTGAAGTACCTGC
 AGGTGTTTGAGGAGCAGGACGTGGACCTCCGCATCTTTCTGACCCTCACTGAGAGCGACCTGAAGGAAAT
 TGGCATCACGCTGTTTGGGCCCAAGAGGAAGATGACGTCGCCATTGCCCGTGGCACAGCAGTGCCCGC
 CCACCCGGGGATGCCCTGGAGCTGGCTACGCCGACCGGCTGGAGGCTGAGATGCAGGAGCTCGCCATCC
 AGCTGCACAAGCGCTGCGAGGAGGTAGAGGCCACGCGGGGCCAGGTGTGTGAGGAGCAGGAGCTGCGCGC
 CGTGGTGGAGAGCTGCCTGCTGGAGCAGGACCGCCCGCGAGGACCTCCAGGCCCGCTGCGGGAGACG
 TGGGCCCTGGCCCGGATGCTGCCCTCGTCTTGACCAGCTGCGAGCCTGTCAAGCTGAGCTGTCATCTC
 GAGTGAGGCAGGACAGCCCCCTGGTGCAGCACTCTGGGCTAGCCGTCCCCCAGCTGACTCCAAGGG
 CTGGCAAGCGTCCCTGCAGGCCATGAGCCTCCCCGAGCTCTCGGGAGCCCTGGAGGACCGTGTCCGTGAG
 ATGGGGCAAGCACTGTGCTTAGTGACCCAGAGCCTGGAGAAGCTGCAGGTGCTGAACGGGAAGTGGC
 GGGAGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223862 representing NM_133450
 Red=Cloning site Green=Tags(s)

MSELSDASEPELLNRSLSMWHGLGTQVSGEELDVPLDLHTAASIGQYEVVKECVQRRELDLNKKNGGGW
 TPLMYASYIGHDTIVHLLLEAGVSVNVPTEGQTPMLASSCGNESIAYFLLQQGALEMKDIQGWALF
 HCTSAGHQHMRVFLDLSGANANVREPICGFTPLMEAAAAGHEIIVQYFLNHGVKYDARDHSGATARMLAK
 QYGHMKIVALMDTYSPSLPKSLYRSPEKYEDLSSSDESCPAPQRQPCRKKGVSIEHGPRLARITIGIL
 GGRAPRPRYEQAPPRGYVTFNSSGENPLEEEGLCCRDVTSPINERDVESSSSSSSREEHAFCANLGPVQS
 SSSSEGLARAQGLSSEASVESNEDSDHACKSSARKQAKSYMKTKNPDSQWPPRAATDREGFLAESSPQTQ
 RAPYSGPQDLAALLEQIGCLKYLQVFEEQDVDLRIFLTLTESDLKEIGITLFGPKRKMTSAIARWHSSAR
 PPGDALELAYADRLEAEMQELAIQLHKRCEEVEATRQVCQEQLRAVVECLLEQDRAREDQLARLRET
 WALARDAALVLDQLRACQAE LSSVRQDQPPGAATLGLAVPPADSKGWQASLQAMSLPEL SGALEDVRVE
 MGQALCLVTQSLEKLQVLNGKKWRET

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133450

ORF Size: 1968 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_133450.4

RefSeq Size: 2663 bp

RefSeq ORF: 1971 bp

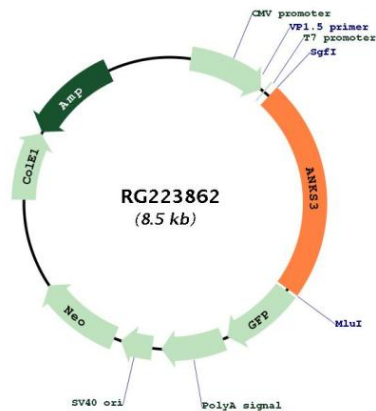
Locus ID: 124401

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 RG223862