

Product datasheet for **MG215342**

Ank3 (NM_146005) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ank3 (NM_146005) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ank3
Synonyms:	2900054D09Rik; AI314020; An; Ank; Ank-3; AnkG; Anky; Ankyrin-3; Ankyrin-G
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215342 representing NM_146005 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

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 CAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG215342 representing NM_146005
 Red=Cloning site Green=Tags(s)

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 PQSPCERTDIRMAIVADHLGLSWTELARELNF SVDEINQIRVENPNLSISQSFMLLKKWVTRDGNATTD
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 SLEETSCLVIEDAPKPCVPVGMKKMTRTTADGKARLNLQEEEGSTRSEPKQEGYKVKTKKEIRNVEKKT
 H

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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_146005.3</u> , <u>NP_666117.2</u>
RefSeq Size:	10025 bp
RefSeq ORF:	5886 bp
Locus ID:	11735
UniProt ID:	<u>G5E8K5</u>
Cytogenetics:	10 36.1 cM
Gene Summary:	This gene encodes a member of the ankyrin protein family. Ankyrins link integral membrane proteins to the spectrin-based cytoskeleton. Ankyrin family members share a protein structure which includes three independently folded domains: the N-terminal ankyrin repeat domain, the central spectrin-binding domain, and the C-terminal rod domain. This ankyrin functions as the major ankyrin in the kidney and may play a role in the polarized distribution of many integral membrane proteins to specific subcellular sites. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]