

Product datasheet for **RN214667**

Doc2a (NM_022937) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Doc2a (NM_022937) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Doc2a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214667 representing NM_022937 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC**GGCGC**
GCCC

ATGAGGGGCGCAGGGGCGATCGCATGACCATCAACATCCAGGAGCACATGGCCATCAACGTGTGCCCTG
GACCCATCAGGCCATCCGCCAGATCTCCGACTACTTCCCTCGCAGGGGGCCAGGACCAGAGGGTGGCGG
CGGCGGCAGGGGCTTCGGGGAAGCCCCAGCTCATCTGGCCCTCTGGCTCTGGCCCCCTGCGGCTCTC
CTTGGGGCCACTACACCCGACGATGGAGCTGAGGTAGACAGCTACGACTCGGATGATACCACTGCCCTGG
GCACGCTGGAATTTGACCTTCTCTATGATCAGGCTTCTGCATGCTGCACTGTAGAATCCTCAGGGCCAA
GGGCTCAAGCCCATGGATTTCAACGGCTGGCTGACCCCTATGTAAGCTGCACCTCTGCCAGGAGCC
TGCAAGGCCAATAAGCTAAAAACCAAGACACAGAGGAACACACTGAACCCAGTGTGGAACGAGGAGCTGA
CGTACAGTGAATCACAGATGACGACATCACCCACAAGGTGCTCAGGATCTCGTCTGTGATGAGGACAA
GCTGAGTCACAATGAATTTATTGGGGAGATCCGAGTGCCCTCCGCCCTCAAGCCTTCACAGAAGAAG
CATTTTAACTCTGCCTTGAGCGTCAGGTCCCGCTTCTTCGCCCTTTCAATGTCTGCGGCGCTGAGGG
GCATATCTGTACCTGAAGGAGCTAGAGCAGGCAGAGCAGGGACCTGGGCTGTTGGAAGAGCGCGGGCG
CATCCTGCTGAGCCTCAGCTACAGCTCTCGGCGCATGGGCTGCTGGTGGCATTGTTTCGCTGTGCTCAC
CTGGCTGCAATGGATGTTAACGGCTACTCTGACCTTATGTGAAGACGTAATTGAGACCAGAGCTGGATA
AGAAATCCAAGCATAAGACGTGTGTAAGAAGAAGACGCTGAACCCGGAATTTAATGAGGAATCTTTTA
TGAGATGGAACCTCCACTCTGGCTACCAAGACCCTGGAAGTACAGTCTGGGACTACGACATTGGCAAA
TCCAATGACTTCATAGGTGGTGTCTCTGGGGCCAGGAGCCCGGGGAGAGGCCAGAAACTGGAGAG
ACTGTCTACATCAGCCGGACACAGCAGTGGAGCGCTGGCATACCTGACCAGCGAGCTGCCCCAGCAGC
AGGGCGTTGCCGTTGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI



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ACCN:	NM_022937
Insert Size:	1212 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).
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:	NM_022937.2 , NP_075226.1
RefSeq Size:	1447 bp
RefSeq ORF:	1212 bp
Locus ID:	65031
UniProt ID:	P70611
Cytogenetics:	1q36
Gene Summary:	mouse homolog is a putative Ca ²⁺ and phospholipid binding protein; may be involved in Ca ²⁺ (+)-dependent exocytosis at the synapse [RGD, Feb 2006]