

Product datasheet for **RC239820**

ANO4 (NM_001286615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANO4 (NM_001286615) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANO4
Synonyms:	TMEM16D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239820 representing NM_001286615
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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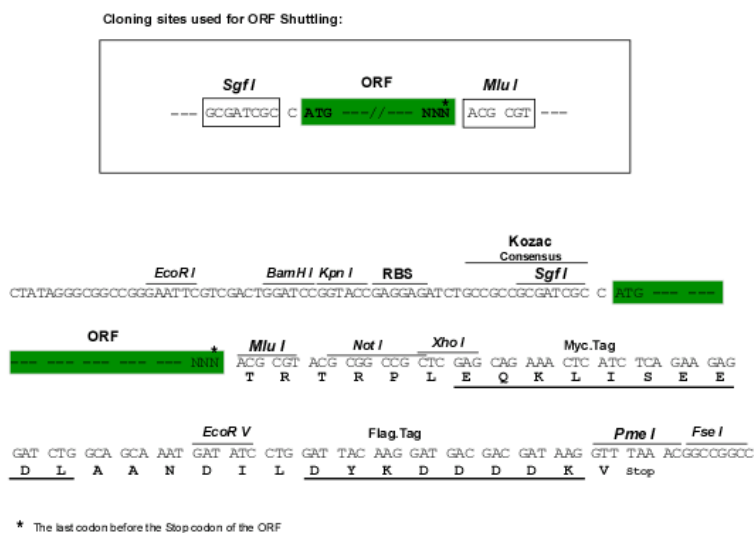
Protein Sequence: >RC239820 representing NM_001286615
Red=Cloning site Green=Tags(s)

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PCKDDDSLHPGNLTSTSDASRLEAGGETVPERNKSNGLYFRDGKCRIDYILVYRKSNPQTEKREVFER
NIRAEGLQMEKESSLINSDIIFVKLHAPWEVLGRYAEQNMVRMPFRRKIYYLPRRYKFMSRIDKQISRFR
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FAWLGWYTGMLFPAAFIGLFVFLYGVTTLDHSQVSKEVCQATDIIMCPVC DKYCPFMRLSDSCVYAKVTH
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RWRL EECHPSGCLIDL CMQMGIIIMVLKQTWNNFMELGYPLIQNWWTTRKVRQEHGPERKISFPQWEKDYN
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YGIDLEGIGL SVITNAFYAITSDFIPRLVYAYKYGPCAGQGEAGQKCMVGYVNASLVFRISDFENRSE
PESLGESEFSGTPLKACYRYRDPDPSLVPYGYTLQFWHVLAAALAFIIVFEHLVFCIKHLISYLPDL
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Restriction Sites: Sgfl-MluI

Cloning Scheme:

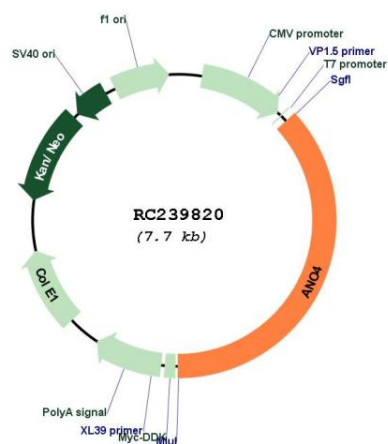


ACCN: NM_001286615

ORF Size: 2865 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001286615.2
RefSeq Size:	4247 bp
RefSeq ORF:	2868 bp
Locus ID:	121601
UniProt ID:	Q32M45
Cytogenetics:	12q23.1
Protein Families:	Transmembrane
MW:	111.9 kDa
Gene Summary:	Has calcium-dependent phospholipid scramblase activity; scrambles phosphatidylserine, phosphatidylcholine and galactosylceramide (By similarity). Does not exhibit calcium-activated chloride channel (CaCC) activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239820