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Product datasheet for RR212483

Ano6 (NM_001108108) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ano6 (NM_001108108) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ano6
Synonyms:	Tmem16f
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RR212483 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGATGATGACTAGGAACGTCCTGCTGAACATGGAGCTGGAAGAGGACGACGATGAGGATGGAGACA
TTGGTGATGTTCCTGACTCCAGGAGACCTTTTCTAGCTCCTCATACTCCTCTACCATCCGGTCTGGTGCT
GGAAAACTTCGACCAGACCATAGTCTGCTCCACCTTTGGATCACTGGAGAGCCAGGAGGACTTCCGCACT
CCAGAGTTTGAAGAGTTTAACGGAAAGCCTGACTCGCTCTTTTTCACCGATGGCCAGAGACGGATCGACT
TCGTCCTCGTGTACGAAGACGAGAGCAAGAAGGAGAACAATAAGAAAGGGACAAATGAGAAACAGAAGAG
GAAAAGGCAAGCATACGAATCTAACCTCATCAGCCACGGCCTGCAGCTGGAAGCCACAAGATCTGTTTCT
GATGACAAGCTTGTGTTCGTCAAAGTGCATGCGCCCTGGGAAGTGCTGTGCACCTATGCTGAGATCATGC
ACATCAAGCTCCCACTAAAGCCCAATGACCTGAAGACTCGTTCCACCTTTGACACCTTCAACTGGTTCAC
CAAGGTCCTCCGTGTGAACGAGAGTGTCATCAAGCCGGAGCAGGAGTTCTTCACTGCCCCCTTTGAGAAG
AGCCGGATGAATGACTTCTACATCCTTGACAGAGACTCCTTCTTCAATCCCGCCACCAGAAGTCGCATTG
TTTATTTCATCCTCTCTCGGGTCAAATACCAAGTGATGAACAACGTTAACAAATTTGGGATTAATAGACT
GGTCAGTTCTGGCATCTACAAAGCAGCGTTCCCTCTGCACGACTGCAAATTCAACTATAAGTCGGAAGAC
CCCAACTGTCCTAGCGAGCGTTACCTCCTGTACAGGGAATGGGCTCACCCTCGGAGTATATACAAGAAAC
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ACAGGTTGTGTCCGTTCTGGAGGCTGAATATCACCTGTGAATCCTCTAAGGAGGAGGAGCGTATCCCATT
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AGAACCCCAATGGGACAGACCCAATCCAGAAGTACCTGACCCCACAGATGGCCACGTCCATCACGGCTTC
CATTATTAGTTTCATCATCATCATGATCCTCAACACGATCTACGAGAAGGTGGCCATCATGATCACCAAC
TTTGAACTCCCAAGGACCCAGACTGATTATGAGAACAGCCTGACCATGAAGATGTTCTTGTTCCAGTTTG
TCAACTACTACTCCTCCTGCTTCTACATCGCATTCTTCAAGGGCAAATTTGTCGGCTATCCGGGGGACCC
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CAGCTGACGATCATCATGGGGGGAAAGGCGATCTGGAACAACATACAAGAAGTTCTGCTCCCGTGGGTTA
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GAGTGGATGCGTGGAAGCTTACAACACAGTTTCGACGCATGGTGCCAGAGAAAGCCCAGGATATCGGCGC
GTGGCAGCCCATCATGCAAGGAATAGCCATCCTGGCCGTGGTGACCAACGCCATGATCATTGCCTTCACC
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AGAAAACCCGTACATTGGGCTTGTCAGGCTCTCGTTCACAGTGTTAAACCAAAAGATTTGTCTCCTAACG
TGCCTGGTTGTACTTCCAGGTACCGTGACTTCCGAAACCCACCCGGGCACCCACAAGAGTATAAACACAA
CATCTACTATTGGCACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

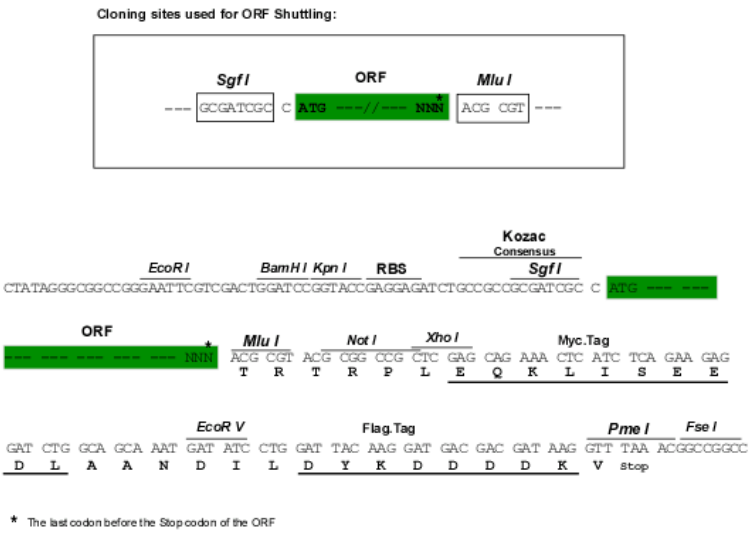
>RR212483 protein sequence
Red=Cloning site Green=Tags(s)

MQMMTRNVLLNMELEEDDDEDGDIGDVPDSRRPFLAPHTPLPSGLVLENFDQTIVCSTFGSLESQEDFRT
PEFEEFNGKPDSLFFTDGQRRIDFVLVYEDESKKENNKKGTNEKQKRKRQAYESNLISHGLQLEATRSVS
DDKLVFVKVHAPWEVLCTYAEIMHIKLPLKPNDLKTRSTFDTFNWFTKVLRVNESVIKPEQEFFTAPFEK
SRMNDFYILDRDSFFNPATRSRIVYFILSRVKYQVMNNVNKFGINRLVSSGIYKAAFPLHDCKFNYKSED
PNCPSERYLLYREWAHPRSIYKKQPLDLIRKYYGEKIGIYFAWLGYYTQMLLLAAVVGVACFLYGYLNQD
NCTWSKEVCDPDIGGQILMCPQCDRLCPFWRLNITCESSKEEERIPFTTCGKCIRITLCASAVFFWILLI
IASVIGIIVYRLSVFIVFSTTLPKNPNGTDPIQKYLTPQMATSITASIISFIIIMILNTIYEKVAIMITN
FELPRTQTDYENSLTMKMFLFQFVNYYSSCFYIAFFKGKFVGYPGDPVYWLGKYRNEECDPGGCLLELTT
QLTIIMGGKAIWNNIQEVLLPWVMNLIGRYKRVSGSEKITPRWEQDYHLQPMGRLGLFYEYLEMIIQFGF
VTLFVASFPLAPLLALVNNILEIRVDAWKLTTQFRRMVPEKAQDIGAWQPIMQGIAILAVVTNAMIIAFT
SDMIPRLVYYWSFSIPPYGDHTYYTMDGYINNTLSVFNITDFKNTDKENPYIGLVRLSFTVLNQKICLLT
CLVVLPGTVTSETHPGTHKSINTTSTIGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001108108

ORF Size: 2397 bp

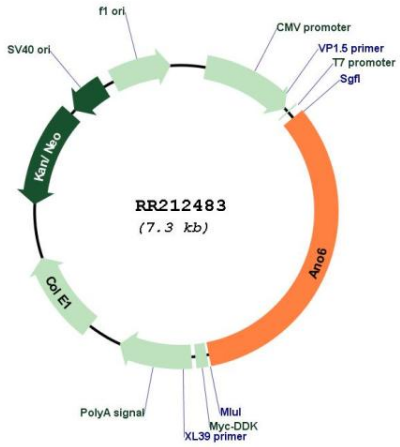
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_001108108.1, NP_001101578.1
RefSeq Size:	5451 bp
RefSeq ORF:	2400 bp
Locus ID:	315272
Cytogenetics:	7q35
MW:	92.2 kDa

Product images:



Circular map for RR212483