OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC224171

ANO8 (NM_020959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANO8 (NM_020959) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANO8
Synonyms:	KIAA1623; TMEM16H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC224171 representing NM_020959
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGAGGCCGCCTCCGGCGCCGGGGGCACGTCCCTGGAGGGCGAGCGTGGCAAGAGGCCCCCGCCGG
AGGGCGAGCCTGCAGCCCCGGCGTCCGGAGTTCTGGATAAGCTTTTCGGAAAGCGGCTCCTGCAGGCTGG
TCGCTACCTGGTGTCCCACAAGGCGTGGATGAAGACGGTGCCTACAGAGAACTGCGACGTGCTGATGACC
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CCTACTCCGAGGGGCCGACGAGCTGGGTCTGCGCAAAGCAGTGAAGGCCGAGTTTGGCGGGGGCACCCGC
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CTGTACCGGCGCCTGGGCCGCGGCGAGCTGGGCCTGCGGGCCGTCTGGGAGCTGGCCCGAGCCCTGCTTG
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Protein Sequence:

>RC224171 representing NM_020959
Red=Cloning site Green=Tags(s)

MAEAASGAGGTSLEGERGKRPPPEGEPAAPASGVLDKLFGKRLLQAGRYLVSHKAWMKTVPTENCDVLMT
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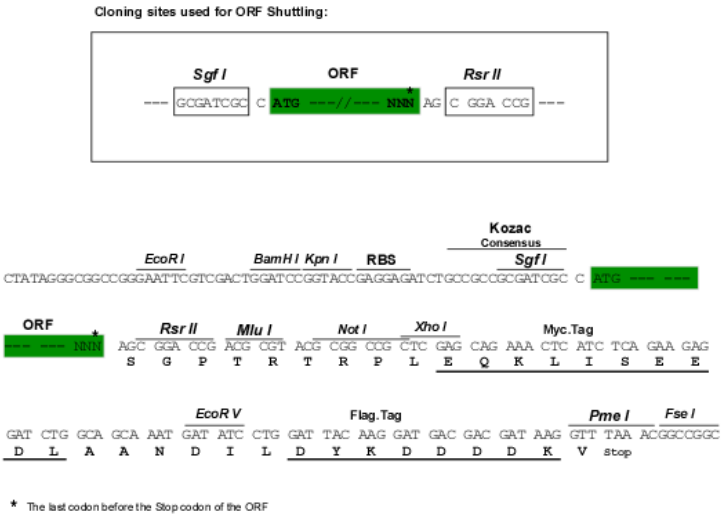
SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8010_e07.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:

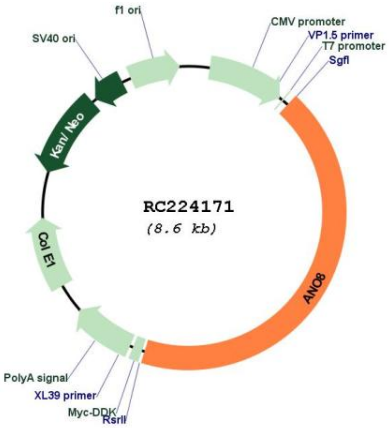


ACCN: NM_020959

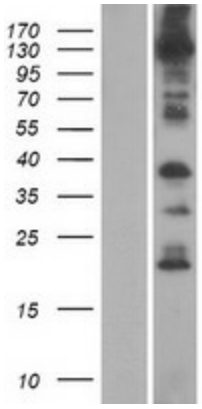
ORF Size: 3696 bp

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_020959.3
RefSeq Size:	4150 bp
RefSeq ORF:	3699 bp
Locus ID:	57719
UniProt ID:	Q9HCE9
Cytogenetics:	19p13.11
Protein Families:	Transmembrane
MW:	135.9 kDa
Gene Summary:	Does not exhibit calcium-activated chloride channel (CaCC) activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224171



Western blot validation of overexpression lysate (Cat# [LY412182]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224171 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).