

Product datasheet for **RC224062**

anoctamin 5 (ANO5) (NM_213599) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	anoctamin 5 (ANO5) (NM_213599) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	anoctamin 5
Synonyms:	GDD1; LGMD2L; LGMDR12; TMEM16E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC224062 representing NM_213599
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC224062 representing NM_213599
 Red=Cloning site Green=Tags(s)

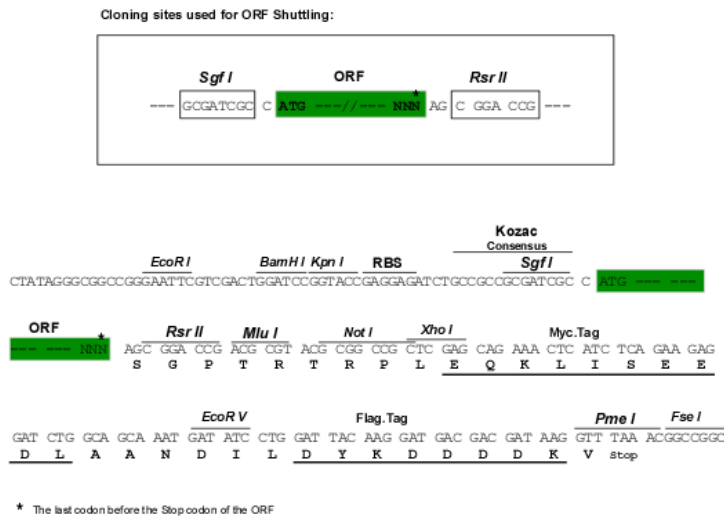
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 STL

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Chromatograms: https://cdn.origene.com/chromatograms/mk8044_d05.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:

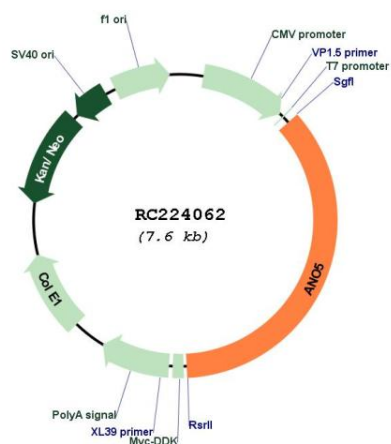


ACCN: NM_213599

ORF Size: 2739 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:	<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_213599.3
RefSeq Size:	3147 bp
RefSeq ORF:	2742 bp
Locus ID:	203859
UniProt ID:	Q75V66
Cytogenetics:	11p14.3
Protein Families:	Transmembrane
MW:	107 kDa
Gene Summary:	This gene encodes a member of the anoctamin family of transmembrane proteins. The encoded protein is likely a calcium activated chloride channel. Mutations in this gene have been associated with gnathodiaphyseal dysplasia. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2009]

Product images:



Circular map for RC224062