

Product datasheet for RC220563

ANKAR (NM_144708) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKAR (NM_144708) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220563 representing NM_144708 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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Protein Sequence: >RC220563 representing NM_144708
Red=Cloning site Green=Tags(s)

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GLPSLSLEKNGGPSIIPIFKRGKEHRRRLKPKIQPKDSL TLLPPVTNFMGLFKATKKT KDSHNIFSF SST
ITSDITNVS RPRIVCLNQLGKHVQKANPEPAEG
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8041_h08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



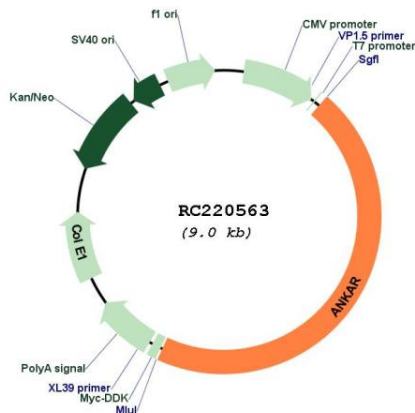
* The last codon before the Stop codon of the ORF

ACCN: NM_144708

ORF Size: 4089 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:	<u>NM_144708.2, NP_653309.2</u>
RefSeq Size:	4109 bp
RefSeq ORF:	4305 bp
Locus ID:	150709
UniProt ID:	<u>Q7Z5J8</u>
Cytogenetics:	2q32.2
MW:	161.8 kDa

Product images:



Circular map for RC220563