

Product datasheet for **RC233660**

RIC3 (NM_001206672) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RIC3 (NM_001206672) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RIC3
Synonyms: AYST720; PRO1385
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233660 representing NM_001206672
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGTACTCCACAGTGCAGAGAGTCGCTCTGGCTTCTGGGCTTGTCTGGCTCTGTCGCTGCTGCTGC
CCAAGGCCTTCTGTCCCAGGGAAGCGGCAGGAGCCGCCGACACCTGAAGGAAAATTGGGCCGATT
TCCACCTATGATGCATCATCACCAGGCACCCTCAGATGGCCAGACTCCTGGGCTCGTTCCAGAGGTCT
CACCTTGCCGAGGCATTTGCAAAGGCCAAAGGATCAGGTGGAGGTGCTGGAGGAGGAGGTAGTGAAGAG
GTCTGATGGGGCAGATTATCCAATCTACGGTTTTGGGATTTTTTATATACTGTACATTCTATTTAA
GCTCTCAAAGGGGAAAACAACCTGCAGAGGATGGGAAATGCTATACTGCCATGCCTGGAAACCCACAGG
AAAATTAGTTACCCTGAAGAGACTTACCCAATTTATGACCTTTCAGACTGTATCAAGCGTAGGCAAGAAA
CAATCTTGGTGGATTACCCTGACCCAAAAGAACTTTCTGCTGAAGAAATAGCTGAAAGAATGGGAATGAT
AGAAGAGGAAGAATCAGATCATTGGGTTGGGAAAGTCTGCCACTGACCCAGAGCCCAGGAAGATAAT
TCTGTTACCTCGTGTGATCCAAAGCCAGAAACATGTTCTGCTGTTTTTATGAAGACGAGGATCTGCTG
TCTTGGCAGAGAATGCTGGATTCAGTGCAGATAGCTACCCTGAGCAAGAGGAAACCACCAAGAAGATG
GTCCCAAGACTTTAAAGATGAAGGTTGGGCATCAGCACCGATAAAGCATATACAGGCAGCATGCTGAGG
AAGCGTAACCCCGAGGTTTAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233660 representing NM_001206672
 Red=Cloning site Green=Tags(s)

MAYSTVQRVALASGLVLALLPKAFLSRGKRQEPPTPEGKLRFPMMHHHQAPSDGQTPGARFQRS
 HLAEAFKAKAGSGGGAGGGGSGRGLMGQIIPYIGFGIFLYILYILFKLSKGKTTAEDGKCYTAMPGNTHR
 KISYPEETYPIDLSDCIKRRQETILVDYDPKELSAEEIAERMGMIEEEESDHLGWESLPTDPRAQEDN
 SVTSCDPKPETCSCCFHEDEDPVLAENAGFSADSYPEQEETTKEEWSQDFKDEGLGISTDKAYTGSMRLR
 KRNPQGLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001206672

ORF Size: 864 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_001206672.4](#)

RefSeq Size: 5587 bp

RefSeq ORF: 867 bp

Locus ID: 79608

UniProt ID: [Q7Z5B4](#)

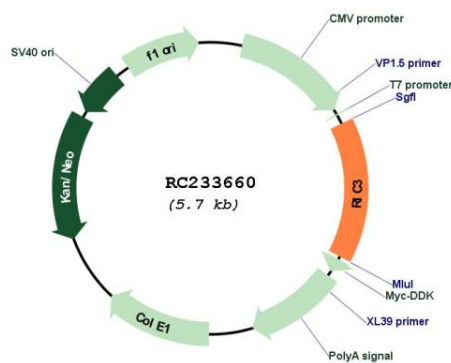
Cytogenetics: 11p15.4

Protein Families: Transmembrane

MW: 32.1 kDa

Gene Summary: This gene encodes a member of the resistance to inhibitors of cholinesterase 3-like family which functions as a chaperone of specific 5-hydroxytryptamine type 3 receptor and nicotinic acetylcholine receptor subtypes. The encoded protein influences the folding and assembly of these receptor subunits in the endoplasmic reticulum and expression on the cell surface. This protein contains an N-terminal transmembrane domain, a proline-rich spacer, and a cytosolic C-terminal coiled-coil domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RC233660