

Product datasheet for **SC331670**

RIC3 (NM_001206672) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RIC3 (NM_001206672) Human Untagged Clone
Tag: Tag Free
Symbol: RIC3
Synonyms: AYST720; PRO1385
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331670 representing NM_001206672.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGTACTCCACAGTGCAGAGAGTCGCTCTGGCTTCTGGGCTTGTCTGGCTGTGCGCTGCTGCTG
CCCAAGGCCTTCTGTCCCGCGGAAGCGGCAGGAGCCGCCGACACCTGAAGAAAATTGGGCCGA
TTTCCACCTATGATGCATCATCACCAGGCACCCTCAGATGGCCAGACTCCTGGGGCTCGTTTCCAGAGG
TCTCACCTTGCCGAGGCATTTGCAAAGGCCAAAGGATCAGGTGGAGGTGCTGGAGGAGGAGGTAGTGA
AGAGGTCTGATGGGCAGATTATTCCAATCTACGGTTTTGGGATTTTTTATATACTGTACATTCTA
TTTAAGCTCTCAAAGGGGAAAACAACACTGCAGAGGATGGGAAATGCTATACTGCCATGCTGGAAACACC
CACAGGAAAATTAGTTACCCTGAAGAGACTTACCCAATTTATGACCTTTCAGACTGTATCAAGCGTAGG
CAAGAAACAATCTTGGTGGATTACCCTGACCCAAAAGAATTTCTGCTGAAGAAATAGCTGAAAGATG
GGAATGATAGAAGAGGAAGAATCAGATCATTGGGTTGGGAAAGTCTGCCCACTGACCCAGAGCCAG
GAAGATAATTCTGTTACCTCGTGTGATCCAAAGCCAGAAACATGTTCTGCTGTTTTATGAAGACGAG
GATCCTGCTGCTTGGCAGAGAAATGCTGGATTGAGTGCAGATAGCTACCCTGAGCAAGAGGAAACCACC
AAAGAAGAGTGGTCCCAAGACTTTAAAGATGAAGGGTTGGGCATCAGCACCGATAAAGCATATACAGGC
AGCATGCTGAGGAAGCGTAACCCCCAGGGTTTAGAGTGA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001206672
Insert Size: 867 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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_001206672.2](#)

RefSeq Size: 5587 bp

RefSeq ORF: 867 bp

Locus ID: 79608

UniProt ID: [Q7Z5B4](#)

Cytogenetics: 11p15.4

Protein Families: Transmembrane

MW: 31.6 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]

Transcript Variant: This variant (4) lacks two consecutive exons in the coding region, compared to variant 1. The encoded isoform (e) is shorter than isoform c. The isoform designation was changed from 'd' to 'e' to be consistent with isoforms cited in PMID 18691158. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.