

Product datasheet for SC112180

RIC3 (NM_024557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIC3 (NM_024557) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIC3
Synonyms:	AYST720; PRO1385
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC112180 sequence for NM_024557 edited (data generated by NextGen Sequencing)

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ATGGCGTACTCCACAGTGCAGAGAGTTCGCTCTGGCTTCTGGGCTTGCCTGGCTCTGTCG
CTGCTGTGCCCAAGGCCTTCTGTCCCGCGGAAGCGGCAGGAGCCGCCCGCACCT
GAAGGAAAATTGGGCCGATTTCCACCTATGATGCATCATCACCAGGCACCCTCAGATGGC
CAGACTCTGGGGCTCGTTTCCAGAGGTCTCACCTTGCCGAGGCATTTGCAAAGGCCAAA
GGATCAGGTGGAGGTGCTGGAGGAGGAGGTAGTGAAGAGGTCTGATGGGGCAGATTATT
CCAATCTACGGTTTTGGGATTTTTTATATATACTGTACATTCTATTTAAGCTCTCAAAG
GGGAAAACAACCTGCAGAGGATGGGAAATACTATACTGCCATGCCTGGAAACACCCACAGG
AAAATTACCAGTTTTGAGCTTGCTCAACTGCAAGAAAACTGAAGGAGACAGAAGCAGCC
ATGGAAAAATTAATCAACAGAGTGGGACCTAATGGTGAGAGAGCACAGACTGTGACTTCT
GACCAAGAGAAACGGTTGCTACATCAGCTCCGAGAAATCACCAGGGTCATGAAAGAAGGA
AAATTCATTGACAGATTTTCTCCAGAGAAAGAAGCTGAGGAGGCCCTTACATGGAGGAC
TGGGAAGGTTACCCTGAAGAGACTTACCCAATTTATGACCTTTCAGACTGTATCAAGCGT
AGGCAAGAAACAATCTTGGTGGATTACCCTGACCCAAAAGAACTTCTGCTGAAGAAATA
GCTGAAAGAATGGGAATGATAGAAGAGGAAGAATCAGATCATTTGGGTTGGGAAAGTCTG
CCCCTGACCCAGAGCCAGGAAGATAATTCTGTTACCTCGTGTGATCCAAAGCCAGAA
ACATGTTCTGCTGTTTTTCATGAAGACGAGGATCCTGCTGCTTGGCAGAGAAATGCTGGA
TTCAGTGCAGATAGCTACCCTGAGCAAGAGGAAACCACCAAGAAGAGTGGTCCCAAGAC
TTTAAAGATGAAGGGTTGGGCATCAGCACCAATAAAGCATATACAGGCAGCATGCTGAGG
AAGCGTAACCCCAAGGTTTAGAGTGA

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Clone variation with respect to NM_024557.3
389 g=>a;1051 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024557 unedited
 GTATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGCTGGCGTC
 TGCACCTGCGACCACCGTGTGAGCAGTCACTGGCGTACTCCACAGTGCAGAGAGTCCGCTCTGG
 CTTCTGGGCTTGTCTGGCTCTGTCTGCTGCTGCTGCCAAGGCCCTTCTGTCCCGCGGGA
 AGCGGCAGGAGCCGCCGCGACACCTGAAGGAAAATTGGGCCGATTTCCACCTATGATGC
 ATCATCACCAGGCACCCTCAGATGGCCAGACTCCTGGGGCTCGTTTCCAGAGGTCTCACC
 TTGCCGAGGCATTTGCAAAGGCCAAAGGATCAGGTGGAGGTGCTGGAGGAGGAGGTAGTG
 GAAGAGGTCTGATGGGGCAGATTATTCCAATCTACGGTTTTGGGATTTTTTATATATA
 TGTACATTCTATTTAAGCTCTCAAAGGGGAAAACAACCTGCAGAGGATGGGAAATACTATA
 CTGCCATGCCTGGAAACACCCACAGGAAAATTACCAGTTTTGAGCTTGCTCAACTGCAAG
 AAAAACTGAAGGAGACAGAAGCAGCCATGGAAAAATTAATCAACAGAGTGGGACCTAATG
 GTGAGAGAGCACAGACTGTGACTTCTGACCAAGAGAAACGGTTGTACATCAGCTCCGAG
 AAATCACCAGGGTCATGAAAGAAGGAAAATTCATTGACAGATTTTCTCCAGAGAAGAAGC
 TGANGAGGCCCTTACATGGANGACTGNGAAGGTTACCCTGAAGAGACTTACCCATTTAT
 GACCTTTAGACTGTATCAAGCGTAGGCAAGAAACATCTGGTGGATTACCCTGACCAAAA
 GACCTTCTGCTGAAGAATANCTGAAGAATGGGATGATAGAGAGGAGAATAGATCATTGG
 TG

3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_024557 unedited
 GTTAAAAACCTTTTTTTTTGGCAACAAAAACCTGACCCATGATTTTGTATCCTGGGTTG
 TATATACACATATAACTGTCATCCCAAAGGATAAAAATAATTCTGGAAAATCCAAAAAGA
 ATTTTCTAAATCCTAAATAACTGAAAGGTACATCCAAATGTCTGATATATAAATACACAA
 ATATATTCCTTATATATAAACCAACCAAGAGCTAGGGCAGGAAGAACCACCATAAGGGCT
 TAGTACTTCTGGCAGGAATTTCCATAAGCCAATTTCCCAAAGACCAACAACACTTTAC
 ATAACAGCCTCACAAAAACTTGAACATCCATGTATTTTACACCCCTACTGCTTTTTTTC
 AACAACTTTTCTGCCAAGAGTGTCTCTCTTCTTTCCTACCTGAAGAAGTTCTTTGCA
 TGCTCAAGGCCACCTCCCAAGAACTGTGAAGTTTCTGGCAATACTTTAGCAAAAAAC
 AATTTATCTTTCTGTAGTTTTGGGCCCATGTCTGAATTACAGCATAGCCCTTATAATAA
 AAACATAATTACCACTTAATGAGTGGTTATCATGTATGAGCTAGAACCAATGCTGTTTTA
 CACACACTGATGATTTTCAATTAACCAGGACCTTAAATACCCCTCCCTTTACTACCCTGAA
 GCCAAAGCTCAGACCAGTTAAGGAGCTGACCCAAGATTCCACAGCTAGGAAATGCAGGGA
 CAGATCATGGCTCATGTTTCTCTGCCTGCAAGATTCACCAATCTGAGCCCTTTACAGGG
 GCATAGTTTCAATTTATCTGGCAAGCTCTCTCTCGTCACACTGAGTTTTTTGAGGGTAGAG
 ATTGACCTCTGTTCTTAAACCCGGCACTGAACATTGACTGCTTAATGATGAATGAACCTT
 AGAAACCAACCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_024557

Insert Size:

4400 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).

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_024557.2](#), [NP_078833.2](#)

RefSeq Size: 2907 bp

RefSeq ORF: 1107 bp

Locus ID: 79608

UniProt ID: [Q7Z5B4](#)

Cytogenetics: 11p15.4

Protein Families: Transmembrane

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 (1) encodes isoform c. The isoform designation was changed from 'a' to 'c' 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.