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Product datasheet for SC325576

RIC3 (NM_001135109) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIC3 (NM_001135109) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIC3
Synonyms:	AYST720; PRO1385
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325576 representing NM_001135109. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCGTACTCCACAGTGCAGAGAGTCGCTCTGGCTTCTGGGCTTGTCCTGGCTCTGTCGCTGCTGCTG CCCAAGGCCTTCCTGTCCCGCGGGAAGCGGCAGGAGCCGCCGCCGACACCTGAAGGTTACCCTGAAGAG ACTTACCCAATTTATGACCTTTCAGACTGTATCAAGCGTAGGCAAGAAACAATCTTGGTGGATTACCCT GACCCAAAAGAACTTTCTGCTGAAGAAATAGCTGAAAGAATGGGAATGATAGAAGAGGAAGAATCAGAT CATTTGGGTTGGGAAAGTCTGCCCACTGACCCCAGAGCCCAGGAAGATAATTCTGTTACCTCGTGTGAT CCAAAGCCAGAAACATGTTCCTGCTGTTTTCATGAAGACGAGGATCCTGCTGTCTTGGCAGAGAATGCT GGATTCAGTGCAGATAGCTACCCTGAGCAAGAGGAAACCACCAAAGAAGAGTGGTCCCAAGACTTTAAA GATGAAGGGTTGGGCATCAGCACCGATAAAGCATATACAGGCAGCATGCTGAGGAAGCGTAACCCCCAG GGTTTAGAGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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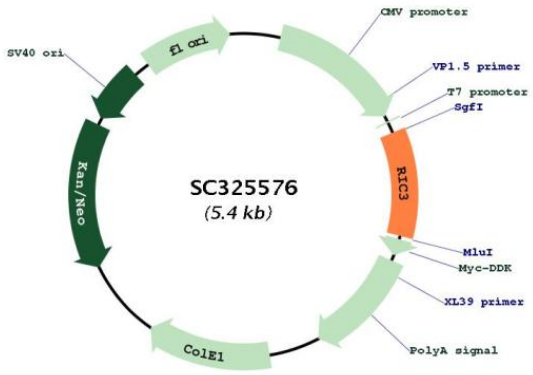
Plasmid Map:



ACCN:	NM_001135109
Insert Size:	564 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001135109.2
RefSeq Size:	5284 bp
RefSeq ORF:	564 bp
Locus ID:	79608
UniProt ID:	Q7Z5B4
Cytogenetics:	11p15.4
Protein Families:	Transmembrane
MW:	21 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 (2) lacks four consecutive exons in the coding region, compared to variant 1. The encoded isoform (f) is shorter than isoform c. 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.