

Product datasheet for **RC205179**

RIC3 (NM_024557) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIC3 (NM_024557) 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:	>RC205179 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTACTCCACAGTGCAGAGAGTCGCTCTGGCTTCTGGGCTTGTCTGGCTCTGTCGCTGCTGCTGC
CCAAGGCCTTCTGTCCCGCGGGAAGCGGCAGGAGCCGCCCGCACCTGAAGGAAAATGGGCCGATT
TCCACCTATGATGCATCATCACCAGGCACACTCAGATGGCCAGACTCCTGGGGCTCGTTCCAGAGGTCT
CACCTTGCCGAGGCATTTGCAAAGGCCAAAGGATCAGGTGGAGGTGCTGGAGGAGGAGGTAGTGAAGAG
GTCTGATGGGGCAGATTATCCGATCTACGTTTTGGGATTTTTTATATACTGTACATTCTATTTAA
GCTCTCAAAGGGGAAAACAAGTGCAGAGGATGGGAAATGCTATACTGCCATGCCTGGAAACCCACAGG
AAAATTACCAGTTTTGAGCTTGCTCAACTGCAAGAAAACTGAAGGAGACAGAAGCAGCCATGGAAAAAT
TATTCAACAGAGTGGGACCTAATGGTGAGAGAGCACAGACTGTGACTTCTGACCAAGAGAAAACGGTTGCT
ACATCAGCTCCGAGAAATCACCAGGGTCATGAAAGAAGGAAAATTCATTGACAGATTTTCTCCAGAGAAA
GAAGCTGAGGAGGCCCTTACATGGAGGACTGGGAAGTTACCCTGAAGAGACTTACCCAATTTATGACC
TTTCAGACTGTATCAAGCGTAGGCAAGAAACAATCTTGGTGGATTACCCTGACCCAAAAGAACTTTCTGC
TGAAGAAATAGCTGAAAGAATGGGAATGATAGAAGAGGAAGAATCAGATCATTGGGTTGGGAAAGTCTG
CCCACTGACCCAGAGCCAGGAAGATAATTCTGTTACCTCGTGTGATCCAAAGCCAGAAACATGTTCCCT
GCTGTTTTTATGAAGACGAGGATCCTGCTGCTTGGCAGAGAATGCTGGATTAGTGCAGATAGCTACCC
TGAGCAAGAGGAAACCACCAAGAGAGTGGTCCCAAGACTTTAAAGATGAAGGGTTGGGCATCAGCACA
GATAAAGCATATACAGGCAGCATGCTGAGGAAGCGTAACCCCGGGTTTAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC205179 protein sequence
Red=Cloning site Green=Tags(s)

MAYSTVQRVALASGLVLALLLPKAFLSRGKRQEPPTPEGKLRFPMMHHHQAHS DGQTPGARFQRS
 HLAEAF AKAKGSGGGAGGGGSGRGLMGQIIP IYGF GIFLYILYILFKLSKGKTTAEDGKCYTAMPGNTHR
 KITSFEL AQLQEKLKETAAMEKLFNRVGPNGERAQT VTS DQEKRL LHQLREITRVMKEGKFIDRF SPEK
 EAE EAPYMEDWEGYPEETYP IYDLSDCIKRRQETILVDY PDPKELSAEEIAERMGMIEEESDHLGWESL
 PTD PRAQEDNSVTSCDPK PETCSCCFHEDEDP AVLAENAGF SADSYPEQEETTKEEWSQDFKDEGLGIST
 DKAYTGSMLRKRNPQGLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6138_a02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024557

ORF Size: 1104 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_024557.2](#), [NP_078833.2](#)

RefSeq Size: 5827 bp

RefSeq ORF: 1107 bp

Locus ID: 79608

UniProt ID: [Q7Z5B4](#)

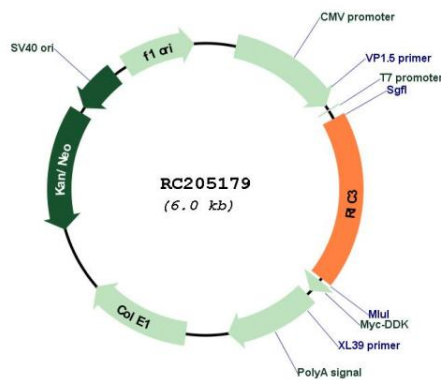
Cytogenetics: 11p15.4

Protein Families: Transmembrane

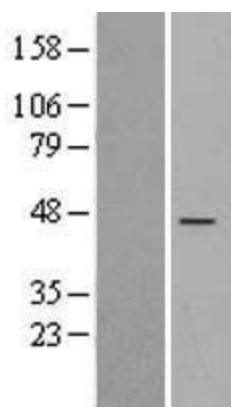
MW: 41.1 kDa

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 RC205179



Western blot validation of overexpression lysate (Cat# [LY403009]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205179 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).