

Product datasheet for **RG225495**

IGLON5 (NM_001101372) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGLON5 (NM_001101372) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IGLON5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225495 representing NM_001101372 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCCCCTGCGCCCGGGCCCGGCTCCGGCTTCTCGCCCGCCGCCCTGGCCGGCTTGGCCGTCA
TCAGCCGAGGGCTGCTCTCCAGAGCCTGGAGTTCAACTCTCCTGCCGACAACTACACAGTGTGAAGG
TGACAACGCCACCCTCAGCTGCTTCATCGACGAGCACGTGACCCGCGTGGCCTGGCTGAACCGCTCCAAC
ATCCTGTATGCCGGCAATGACCGCTGGACCAGCGACCCGCGGGTGGCCTGCTCATCAACACCCCGAGG
AGTTCTCCATCCTCATCACCGAGGTGGGGCTCGGCGACGAGGGCCTCTACACCTGCTCCTCCAGACCCG
CCACCAGCCGTACACCACCTCAGGTCTACCTCATTGTCCACGTCCCTGCCGATTGTGAACATCTCGTCCG
CCTGTGACGGTGAATGAGGGGGCAATGTGAACCTGCTTTGCCTGGCCGTGGGGCGCCAGAGCCACGG
TCACCTGGAGACAGCTCCGAGACGGCTTACCTCGGAGGGAGAGATCCTGGAGATCTCTGACATCCAGCG
GGGCCAGGCCGGGAGTATGAGTGCGTGACTCACAAACGGGGTAACTCGGCGCCGACAGCCGCGCGTG
CTGGTCACAGTCAACTATCCTCCGACATCACGGACGTGACCAGCGCCCGACCGCGCTGGGCCGGGCCG
CCCTCTGCGCTGCGAAGCCATGGCGTTCCCCCGGGATTTCCAGTGGTACAAGGATGACAGACTGCT
GAGCAGCGGCACGGCCGAAGCCTGAAGGTGCAGACGGAGCGCACCCGCTCGATGCTTCTTTGCCAAC
GTGAGCGCCCGCATTACGGCAACTATACGTGTGCGCCGCCAACCGACTGGGAGCGTCCAGCGCCTCCA
TGGCGCTCCTGCGCCAGGATCCCTGGAGAACTCAGCCCCGAGGCCCCAGGGCTCCTGGCCCTCCTCTC
CGCCCTGGGCTGGCTGTGGTGGAGAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225495 representing NM_001101372
 Red=Cloning site Green=Tags(s)

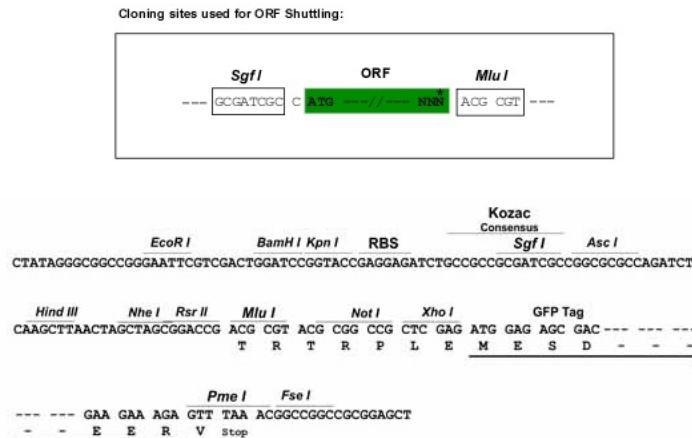
MPPPAPGARLRLAAAAALAGLAVISRGLLSQSLEFNSPADNYTVCEGDNATLSCFIDEHVTRVAVLNRSN
 ILYAGNDRWTS DPRVRLINTPEEFSILITEVGLGDEGLYTC SFQTRHQPYTTQVYLIVHVPARIVNISS
 PVTVNEGNGVNLCLAVGRPEPTVTWRQLRDGFTSEGEILEISDIQRGQAGEYECVTHNGVNSAPDSRRV
 LVTVNYPTITDVT SARTALGRAALLRCEAMAVPPAD FQWYKDDRLLSSGTAEGLKVQTERTRSMLLFAN
 VSARHYGNYTCRAANRLGASSASMRLLRPGLENSAPRPPGLLALLSALGWLWWRM

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1929_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001101372

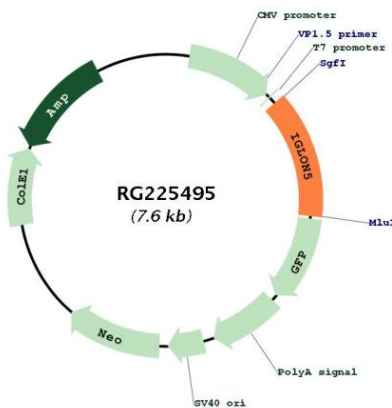
ORF Size: 1008 bp

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 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:	<ol style="list-style-type: none">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:	<u>NM_001101372.2</u>
RefSeq Size:	3100 bp
RefSeq ORF:	1011 bp
Locus ID:	402665
UniProt ID:	<u>A6NGN9</u>
Cytogenetics:	19q13.41
Protein Families:	Transmembrane

Product images:



Circular map for RG225495