

Product datasheet for **RG224491**

CYLN2 (CLIP2) (NM_003388) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYLN2 (CLIP2) (NM_003388) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CYLN2
Synonyms:	CLIP; CLIP-115; CYLN2; WBSCR3; WBSCR4; WSCR3; WSCR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224491 representing NM_003388 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCAGAGCCAGCGGCTGAAGCCCCCGGCCGTGGGGGAAGCACTCCAGCCCCATGGGCCGGACAT
CTACTGGGTCACTTCATCCTCGCGCGCGTGGCCGTAGCTCCAAGGAAGGCTCCCACTGCACAAACA
GTCATCTGGACCTCCTCCTCCCGGCCGAGCTGCTGCCCCGAGAAGCCGGGCCCAAGGCGCGGAA
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TGGGAAGAATGATGGGGCGGTGGCGGCCACCGAGTACTTCCAGTGCCCAAGTTTGGTCTCTTCGCG
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TTAGCGGACAACAGGCTGACCACAGTGGCCGAGAAGTCGCGCGTGCTGCAGCTGGAGGAGGAGCTCACCC
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CTCAGCAGGTGGAGAAGCTGATGGAGGCCATGAGGAGCTGCCCTGACAAGGCCAGACCATCGGCAATTC
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

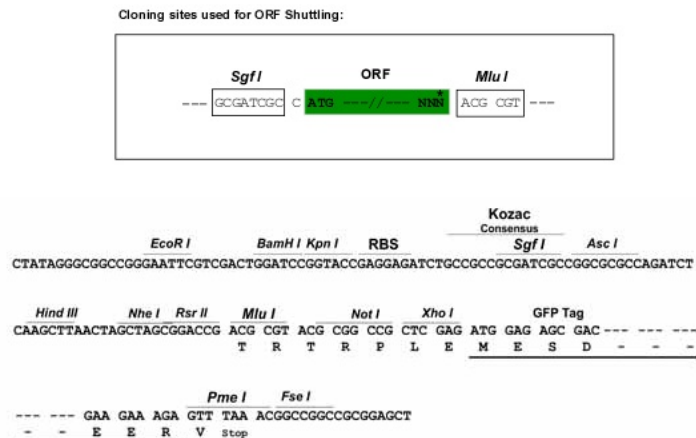
>RG224491 representing NM_003388
Red=Cloning site Green=Tags(s)

MQKPSGLKPPGRGGKHSSPMGRSTSGSASSSAVAASSKEGSPLHKQSSGPSSSPAAAAPEKPGPKAAE
VGDDFLGDFVVGGERVWVNGVKPGVVQYLGETQFAPQWAGVVLDDPVGKNDGAVGGVRYFECALQGI FT
RPSKLTRQPTAEGSGSDAHSVESLTAQNL SLHSGTATPPLTSRVIPLRESVLNSSVKTGNESGNSLSDSG
SVKRGEKDLRLGDRVLVGGTKTGVRVYVGETDFAKGEWCGVELDEPLGKNDGAVAGTRYFQCPPKFGLFA
PIHKVIRIGFPSTSPAKAKKTKRMAMGVSA LTHSPSSSSISSVSSVASSVGGPRPSRGLLTETSSRYARK
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LADNRLTTVAEKSRLVQL EEELTLRRGEIEELQQCL LHSPPPPDHPDAEILRLRERLLSASKEHQRES
GVL RDKYEKALKAYQAEVDKLRAANEKYAQEVAGLKDKVQQATSENMG LMDNWKSKLDSL ASDHQSLED
LKATLNSGPGAQQKEIGELKAVMEGIKMEHQLELGNLQAKHDLETAMHVKEKEALREKLQEAQEELAGLQ
RHWRAQLEVQASQHRLELQEAQDQRRDAELRVHELEKLDVEYRQQAIEFLKEQISLA EKMLDYERLQ
RAEAQKGQEVESLREKLLVAENRLQAVEALCSSQH THMIESNDISEETIRTKETVEGLQDKLNKR DKEVT
ALTSQTEMLRAQVSALESKCKSGEKKVDALLKEKRRLEAELETVSRKTHDASGQLVLISQELLRKERSLN
ELRVLLLEANRHSPGPERDL SREVKAEWRIKEQKLKDDIRGLREKL TGLDKEKSLSDQRRYSLIDRSSA
PELLRLQHQLMSTEDALRDALDQAQQVEKLMEAMRSCPDKAQTIGNSGSANGIHQQDKAQKQEDKH

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_003388

ORF Size: 3138 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.

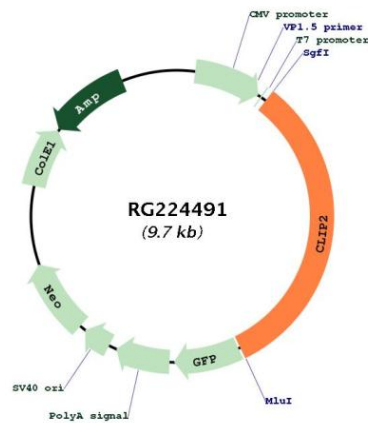
RefSeq: [NM_003388.5](#)

RefSeq Size: 5563 bp

RefSeq ORF: 3141 bp

Locus ID:	7461
UniProt ID:	Q9UDT6
Cytogenetics:	7q11.23
Domains:	CAP_GLY
Gene Summary:	The protein encoded by this gene belongs to the family of cytoplasmic linker proteins, which have been proposed to mediate the interaction between specific membranous organelles and microtubules. This protein was found to associate with both microtubules and an organelle called the dendritic lamellar body. This gene is hemizyously deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG224491