

Product datasheet for **RG226151**

CHADL (NM_138481) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHADL (NM_138481) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CHADL
Synonyms:	SLRR4B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG226151 representing NM_138481
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGGCCCCGGAGCTCCACCATGTCCCCTTGGTGTGCCGCTTCTGTACTTCTGCTGCTGGCCC
 CGGCTAGGCAGGCCGCCGCCAGCGCTGCCACAGGCCTGCATCTGTGACAACTCCAGGCGACACGTTGC
 CTGCCGGTACCAGAACCTCACTGAGGTGCCAGAGCCATCCCTGAGCTGACCCAGCGGCTGGACCTGCAG
 GGCAATTTGCTGAAGGTGATCCCCGAGCCGCTTCCAGGGCGTGCCTCACCTCACACACCTGGACCTGC
 GCCACTGCGAGGTGGAGCTGGTGGCCGAGGGCGCCTTCCGTGGCCTGGGCCGCTGCTCCTGCTCAACCT
 GGCCTCCAACACCTGCGTGAAGTGCCTCCAGGAGGCGCTGGACGGGCTGGGCTCGTTGCGGCGGCTGGAG
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 GCGGCTGTGCGACAACGCGCTCAGCGTGTGGCCCCGAGGCCCTGGCTGGCCTGCCCGCCTGAGACGG
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 CCGGGCCCGCGCCCTCCGCGCGGCCCTCCGCGCGGCCCGGGGAGGAGCGGGCAGTCCGCGCTTGCCC
 TCGCGCCTGCGTGTGCTCCCCGAGTCCCGGCACAGCAGCTGCGAGGGCTGCGGCCCTGCAGGCGGTGCC
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 GCTGCCCTTGAAGGGCTCCCCGCTCGGCTACCTGTACCTAGAACGCAACCGTTTCTGCAAGTGCACAG
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 ACCTGGGGACCTGGGGAGAACACGGCCTTGCCTGGGTCTACCTGAGTGGAAACCGCATACCCGAAGTG
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 CCACTGTGACTGCCAGCTGCTTCCGCTGCACAGGTGGCTTACTGGGCTGAACCTGCGGGTGGGGGCCACC
 TGCGCCACCCCTCCCAATGCCCGTGGCCAGAGGGTGAAGGCTGCAGCTGCTGCTTTGAAGACTGCCCGG
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 AAGACAGTGTGGAGCAGATAAGGTGGGAAGGAGAAGGGTCGTCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG226151 representing NM_138481
 Red=Cloning site Green=Tags(s)

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MEGPRSSTHVPLVPLLVLLLLAPARQAAAQRCQPQACICDNSRRHVACRYQNLTEVPDAIPELTQRLDLQ
GNLLKVIPAAAFQGVPHLTHLDRHCEVELVAEGAFRGLGRLLLLNLASNHLRELPOEALDGLGSLRRLE
LEGNAL EELRPGTFGALGALATLNLAHNALVYLPAMAFQGLLRVRLRLSHNALSVLAPEALAGLPALRR
LSLHHNELQALPGPVL SQARGLARLELGHNPLTYAGEEDGLALPGLRELLLDGGALQALGPRAFAHCPRL
HTLDLRGNQLDTLPPLQGPQQLRRLRLQGNPLWCGCQARPLLEWLARARVRS DGACQGPRLRGEALDAL
RPWDLRCPGDAAQEEEELEERAVAGPRAPPRGPPRGPGGEERAVAPCPRACVCPVESRHS SCEGCGLQAVP
RGFPSDTQLLDLRRNHFPSPRAAFPGLGHLVSLHLQHCGIAELEAGALAGLGRLLIYLYLSDNQLAGLSA
AALEGAPRLGYLYLERNRFLQVPGAALRALPSLFSHLQDNAVDR LAPGDLGRTRALRWVYLSGNRIT EV
SLGALGPARELEKHLDRNQLREVPTGALEGLPALLELQLSGNPLRALRDGAFQPVGRSLQHLFLNSSGL
EQICPGAFSGLGPLQSLHLQKNQLRALPALPSLSQLELIDLSSNPFHDCQLLPLHRWLTGLNLRVGT
CATPPNARGQRVKA AAAVFEDCPGWAARKARTPASRPSAR RTPIKGRQC GADKVGKEKGRL
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TRTRPLE - GFP Tag - V

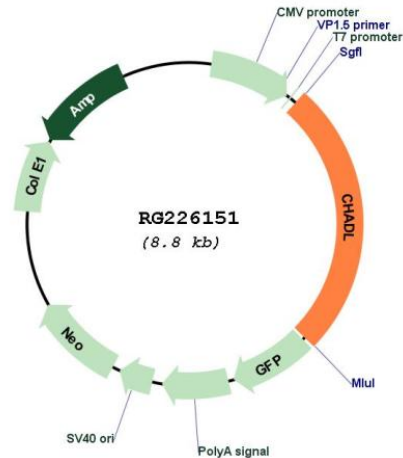
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_138481

ORF Size: 2286 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_138481.2](#)

RefSeq Size: 2533 bp

RefSeq ORF: 2289 bp

Locus ID: 150356

UniProt ID: [Q6NUI6](#)

Cytogenetics: 22q13.2

Gene Summary: Potential negative modulator of chondrocyte differentiation. Inhibits collagen fibrillogenesis in vitro. May influence chondrocyte's differentiation by acting on its cellular collagenous microenvironment.[UniProtKB/Swiss-Prot Function]