

Product datasheet for **RG203697**

LRRC40 (NM_017768) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRRC40
Synonyms:	dJ677H15.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG203697 representing NM_017768
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCGCGCCTGAAGCGGATAGCGGGCAGGATCTCCGCGCTGGTTTCAAAGCAGGTGGAAGAGACTGCG
 GTACCTCGGTACCCCAAGGGCTGTTGAAGGCAGCGAGGAAGAGCGGCCAGTTAAACCTGTCGGGTAGAAA
 CCTCAGTGAAGTCCCGCAGTGTGTCTGGAGAATAAATGTGGATATCCCTGAGGAAGCTAATCAGAATCTT
 TCGTTTGGTGCTACTGAAAGATGGTGGGAGCAGACAGATTTGACCAAACTAATAATCAACAATAAAC
 TTCAGTCACTTACAGATGACCTGCGACTCTTGCCTGCACTGACTGTTCTTGATATACATGATAATCAGTT
 GACATCCCTTCTCTGCTATAAGAGAGCTAGAAAATCTTCAGAACTTAATGTCAGCCATAATAAACTG
 AAAATACTCCCTGAAGAAATTACAAACCTAAGAAACCTGAAGTGCCTGTATCTCCAGCATAATGAATTAA
 CCTGCATATCAGAGGGATTTGAACAACCTTCCAATTTAGAAGATTAGATCTTTCAAACAATCATCTTAC
 AACTGTTCTGCTAGTTTTTCTCTGTCCAGTCTGGTGGGACTCAATCTTTCTAGTAATGAAGTGAAG
 AGTTTGCCAGCAGAAATAAATAGAATGAAAAGGTTGAAGCATTGGATTGAATTCAAATCTCTTGGAAA
 CTATACCTCCTGAATTGGCTGGCATGGAATCACTAGAAATGCTTTATTTGCGGAGGAATAAATTACGTTT
 TCTACCAGAATTTCTTCTGTAGTCTATTGAAGGAATTGCACGTAGGTGAAAACAGATTGAAATGTTA
 GAGGCAGAACATCTTAACATCTGAATTCATTTCTGTGCTAGACCTGAGGGATAACAAGTTAAATCTG
 TTCCAGATGAAATTATACTACTACGGTCTTGGAAAGGCTTGACCTAAGCAACAATGATATTAGTAGTCT
 TCCCTATTCTTGGGAACCTTCATTTGAAATTTTGGCATTAGAAGGAATCCTTTGAGAACAAATTCGA
 AGAGAAATTATAAGTAAAGGAACACAAGAAGTCTAAAATATCTACGAAGCAAGATCAAGATGATGGAC
 CTAGCCAAAGTGAGTCTGCTACTGAGACTGCCATGACACTACCAAGTGAATCCAGAGTCAATATACATGC
 CATCATTACATTAATAAATTAGACTATAGTGATAAAACAAGCAACTTTGATTCTGTAGAGGTGTTTGT
 GCAGTAAAAAGCAACATCGTCACTTCTATTAACCTCAGTAAGAATCAACTATGTGAAATTCAAAAAGGA
 TGGTAGAACTGAAGGAATGGTTTCTGATGTCGATCTCAGTTTTAATAAATTTCTTTATATCCTTGG
 GTTATGTGTGCTTCAGAAATTGACTTTTTTAGATCTCAGGAACAATTTTTAAATTTCTTGGCAGAGAA
 ATGGAATCACTGGTAAAGACTGCAACGATCAATCTTTCTTTAATAGGTTTAAATGCTACCTGAAGTTC
 TATATCGTATCTTCACACTTGAACAATTCTGATTAGTAATAATCAGGTTGGATCTGTGGACCTCAGAA
 AATGAAGATGATGGAATCTGACCAGTTGGACCTTCAAATAATGACCTCTTACAAATTCACCAGAG
 CTCGGTAATTGTGTAACCTAAGAACATTACTACTGGATGGAATCCATTCCGAGTTCCTCGAGCAGCCA
 TATTAATGAAAGAACAGCTGCTATACTTGAATATTTGAGAGACCGAATTCCTACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203697 representing NM_017768
 Red=Cloning site Green=Tags(s)

MSRLKRIAGQDLRAGFKAGGRDCGTSVPQGLLKAARKSGQLNLSGRNLSEVPQCVWRINVDIPEEANQNL
 SFGATERWWEQDTLTKLIISNNKLQSLTDDLRLPALTVLDIHDNQLTSLPSAIRELENLQKLNVSNNKL
 KILPEEITNLRNLKCLYLQHNELTCSIEGFEQLSNLEDLDLNNHLTTVPASFSSLSLVRNLSSNELK
 SLPAEINRMKRLKHLDCNSNLETTIPPELAGMESLELLYLRRNKLRFLEFPSCSLLKELHVGENQIEM
 EAEHLKHLNSILVLDLNDKLSVPDEIILLRSLERLDLNNDISSLPSYSLGNLHLKFLALEGNPLRTIR
 REIISKGTQEVLYLRSKIKDDGPSQSESATETAMTLPSESRVNIHAIITLKILDYSDKQATLIPDEVFD
 AVKSNIVTSINFSKNQLCEIPKRMVELKEMVSDVLSFNKLSFISLELCVLQKLTFLDLRNNFLNSLPEE
 MESLVRQLTINLSFNRFKMLPEVLYRIFTLETILISNNQVGSVDPQKMKMMENLTTLDLQNNDLLQIPPE
 LGNCVNLRLTLDDGNPFRVPRAAILMKGTAAILEYLRDRIPT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017768

ORF Size: 1806 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:

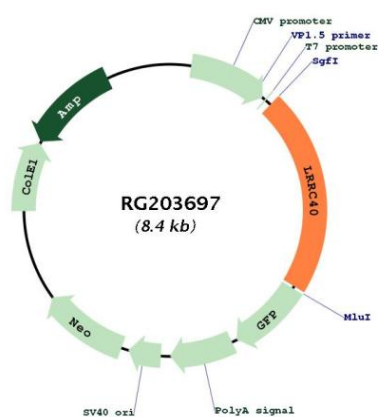
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017768.5](#)

RefSeq Size:	2847 bp
RefSeq ORF:	1809 bp
Locus ID:	55631
UniProt ID:	Q9H9A6
Cytogenetics:	1p31.1
Domains:	LRR, LRR_TYP, LRR_BAC, LRR_PS
Protein Families:	Druggable Genome

Product images:



Circular map for RG203697