

Product datasheet for **RG228511**

LRRC36 (NM_001161575) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRRC36
Synonyms:	RORBP70; XLHSRF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG228511 representing NM_001161575
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTCAGACCACGGTTTTTGCCTCCAGATGACCGAACTGTACGTGAAGGTGAGAGAAAAGCTGCCAAGC
 TGCATTTTAGTCAGTTGGGCAACAGTGAAAATTTCTTTTAGAGGTGGAAGAAAGCTCTAGGGAGAAGAC
 AATGAAAACTGTGTAACAGGTGAGAGCTCTGCATCAAAAGTCAGTGCTAATGTTGACAGCAGGATTGAA
 ATGGACTCAAAACAAAGGACTTTTTATTCCCTTCCCCAACCGGGAATAAAGGATTCCCTAAGTACTTCTG
 CAACTCAGGCAATGGTACACGTGATCAGAAATAGACACCTTCCCACTGGGACACAGACACAGGAAGT
 AGCAAGAAGGGAGATGCCAAGTGACAATCACCAGGAAGATGAGTTAGACACTACTCGCTCGTCAAGTCC
 ACAGTCCGATCCCCAGAGAAGATGACTAGAGAAGGTACCAAGTATCTTTTTGGACAATAAGTCTTCAG
 GTTCTTCTCCAGAAAAGGAATTGATACAAAACCTGATACTTTTCATCTTACCATGATGCCTCATTGAG
 TAAATGCCTGGATGTGGGTGATTCTAGCCAGATCCATCCCTATCAGTTACCTTCAGATGTTGGTCTGGAA
 AATTATGACAGTTGTTATTCTCAAACCTCTATCCCTGCATGGAAGTCTTGGTAAAAGGCCTCAGAGAAGCA
 AGAACTATCAAGAGTATAGCATAAAGCCTTCAAATGACATAAAGACCACCGCTTCACATTCTGTGGAGA
 CTTATTAACCTTCTGTCAAACCTGACTCCAGCACTGGAAGGCTTTTGAAGCTTAGTTAGATCTGTAT
 GCCACAACCATTTCAACAGTGACCTGCTGTACTTGTCAATGTAGAGCAACAATTATCTACCAGCCTGG
 ATGATTTAACACCAGCACATGGTTCTGTCCCAACAACGCTGTCTGGGAAACAGGACAACCTCTCTGCG
 GACACTGCTGTTGTCTCTGGGACTTCAGAACACAGAAAGATTTTACCAAGAGGTCACTAAGCCCATCG
 AAGAGAGGATTCAAATGGAAGGACAATATCCTTGCCAACTGAATCTAAGCATGGTTTCAAGATGCTA
 CAGGCAGCGAGCCTCTCTAGTGACCTGGGTAGTTTGACGCTTTGGCTGGAAACCACAGTCCCCCAT
 CTCTGCCAGAACCCCCATGTGGCCACTGTCTCAGACAGCTCCTGGAGCTTGTGGATAAGCACTGGAAT
 GGCTCCGGCTCCCTCCTCAACAAGAAGTTTCTCGGTCTGCCCGAGATTTGCTTCTGTCTTTGGTAG
 TCCCGGCTCCTTCTCAGCCGAGGTGTTGCTCACATCCTGAAGACACGATGAAAGCATTCGACAGGAGGA
 GCTTGAAGTGAAGGAGGCTGCGCAGCTGGTCCCTAATGACATGGAAGTTTGAAGCAAAACTGGTCAGA
 GTGCTGGAGGAAAACCTCATTTTGTGAGAAAAATTCAACAGTTGGAGGAAGGTGCTGCCATCTCAATTG
 TGAGTGGGCAACAGTCACATACTTATGATGATCTTCTGCACAAAAACCAACAGCTGACCATGCAGGTGGC
 TTGCCTGAACCAGGAGCTTGCCAGCTGAAAAAGCTGGAGAAGACAGTTGCCATTCTCCATGAAAGTCAG
 AGATCCCTGGTGGTAACTAATGAGTATCTGCTGCAGCAGCTGAATAAGGAGCCAAAAGGTTATCCGGGA
 AAGCGCTCCTGCCTCCTGAGAAGGGTCATCATCTGGGAGATCATCGCCCTTTGGGAAAAGCACGTTGTC
 TTCTCTCTCACCAGTGGACATGAGACTGGTCAGTATCTAATACAGAGCGTCTTGGATGCTGCCCCAGAG
 CCTGGCTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228511 representing NM_001161575
 Red=Cloning site Green=Tags(s)

MLRPRFLPPDRTVREGERKAAKLHFSQLGNSENFLLVEKSSREKTMKNCVTGESSASKVSVANVDSRIE
 MDSNKGFLIPFPNREIKDSLSTSATQNGTRDQKLDTFPLGTQTQEVARREMPSDNHQEDEFRRHYSRQS
 TVRSPEKMTREGYQVSFLDNKSSGSSPEKELIPKPDTFHLTHDASLSKCLDVGDSQIHPYQLPSDVGLE
 NYDSCYSQTLHLGSLGKRPQRSKNYQEYSIKPSNDIKTTASHSCGDLTSLSNPDSSTGRLLKLSSDLY
 ATTHFNSDPAVLVNVEQQLSTSLDDLTPAHGSVPNNAVLGNRTTPLRTLSPGTSEHRKIFTKRSLSPS
 KRGFWKDNLNLNLKHGFQDATGSEPLSSDLGSLHGLAGNHSPPI SARTPHVATVLRQLLELVDKHWN
 GSGSLLLNKKFLGPARDLLSLVVPAPSQRCCSHPEDTMKAFCRRELELKEAQLVPNDMESLKQKLVR
 VLEENLILSEKIQLEEGAAISIVSGQQSHTYDDLHKNQQLTMQVACLNQELAQLKKLEKTVAILHESQ
 RSLVVTNEYLLQLNKEPKGYSGKALLPPEKGHHLGRSSPFGKSTLSSSPVAHETGQYLIQSVLDAAPE
 PGL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001161575

ORF Size: 1899 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_001161575.1](#), [NP_001155047.1](#)

RefSeq Size: 2146 bp

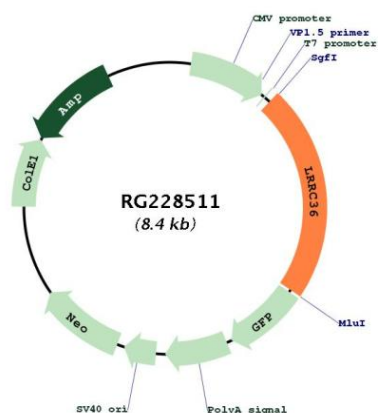
RefSeq ORF: 1902 bp

Locus ID: 55282

UniProt ID: [Q1X8D7](#)

Cytogenetics: 16q22.1

Product images:



Circular map for RG228511