

Product datasheet for **RG208422**

LRRC28 (NM_144598) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: LRRC28 (NM_144598) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: LRRC28
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG208422 representing NM_144598
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTCCGAACCTTTGTAAGACGATCTCTGTGGCAAGGCTAGAAAAGCACAAGAATTTGTTCTTAAATT
 ATAGGAATCTGCACCATTTCCATTGGAGTTACTGAAAGATGAGGGACTGCAGTACTTGGAGAGACTCTA
 TATGAAAAGGAACTCCCTGACATCCTTGCCAGAAAACCTTGCTCAGAAGCTTCCAAACCTTGTGGAACCTA
 TACCTGCACTCAAATAACATAGTTGTGGTCCGGAAGCCATTGGGTCTCTTGTAAAACCTCAATGTCTGG
 ATCTTAGTGACAATGCCTTAGAAAATTGTTGCCAGAAAATTGGTCGTCTGAGAGCTTACGTCATCTTCG
 ATTAGCTAATAACCAACTGCAATTCCTACCTCCAGAGGTTGGCGATTTGAAGGAGCTGCAGACACTAGAC
 ATTTCTACCAATCGTTTGCTAACTTTACCCGAGAGGCTTACATGTGCCTTTCTCTGCAGTACCTCACTG
 TGGACCGAAATCGTCTATGGTATGTGCCGCGCCATCTCTGCCAGCTGCCAGCCTCAATGAGCTCTCCAT
 GGCTGGAACCGTCTTGCAATTTTGCCACTTGATTTAGGTCGATCTCGAGAACTACAGTATGTATACGTG
 GATAACAACATTCACCTGAAAGGCTTGCCATCTTATCTGTACAATAAAGTCATCGGGTGCAGTGGCTGTG
 GTGCTCCCATTCAAGTTCCGAGGTGAAGCTGCTTTCTTTTCATCAGGGCAGCGAACCGTTTTCTCC
 AGCTGAGGTGAAGCCATAGGGACGGAGCATGATCACGTCCTCCCTCTGCAGGAATTGGCTATGAGAGGG
 CTGTATCATACCTACCACAGCTTGTGAAAGATTTGAACTTTCTGTCTCCAATCTCATTACCCAGAAGTC
 TCCTAGAGCTGCTGCACTGCCCTCTGGGCACTGTATCGGTGTAGTGAGCCTATGTTTACCATCGTCTA
 CCCCAAGCTCTTTCCCTTGAGAGAGACGCCAATGGCAGGGCTGCACCAGTGGAAAGACAACCTGTTAGTTTT
 GTGGCTTACTGCTGCTCCACCCAGTGTCTGCAGACTTTTGACCTGCTGAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208422 representing NM_144598
 Red=Cloning site Green=Tags(s)

MASELCKTISVARLEKHKNFLNRYRNLFHFPLELLKDEGLQYLERLYMKRNSLTSLPENLAQKLPNLVEL
 YLHSNNIVVVPEAIGSLVKLQCLDLSDNALEIVCPEIGRLRALRHLRLANNQLQLPPEVGDLLKELQTL
 ISTNRLLTLPERLHMCLSLQYLTVDRNRLWYVPRHLCQLPSLNELSMAGNRLAFLPLDLGRSRELQYVYV
 DNNIHLKGLPSYLYNKVIGCSGCGAPIQVSEVKLLSFSSGQRTVFLPAEVKAIGTEHDHVLPLQELAMRG
 LYHTYHSLKDLNFLSPIISLPRSLLELLHCPHGCHRCSEPMFTIYYPKLFPLRETPMAGLHQWKTTSV
 VAYCCSTQCLQTFDILLS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_144598

ORF Size: 1101 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_144598.5](#)

RefSeq Size: 1464 bp

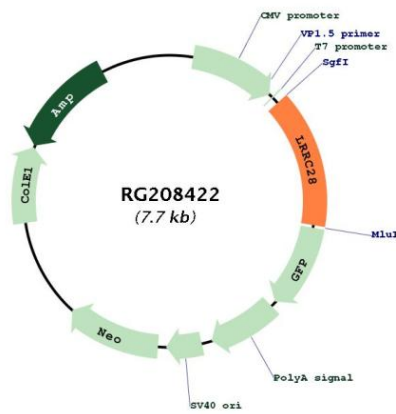
RefSeq ORF: 1104 bp

Locus ID: 123355

UniProt ID: [Q86X40](#)

Cytogenetics: 15q26.3

Product images:



Circular map for RG208422