

Product datasheet for **RG216140**

LRRC29 (NM_001004055) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRRC29
Synonyms:	FBL9; FBXL9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216140 representing NM_001004055
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTACAGCTCTGGGTGGCCTGCAGGAGCTGCAGAGCCTCGACATGGCCGAGGGCGGAACTGGCCAGG
CCCTGGGCTGTATGCACGGGGCTCCATCCAGCTGGCCTCCCTCAGCCTGGCCCACTGCTCTTCATTGAA
GTCACGCCCAGAGCTGGAGCATCAGGCCTCAGGTACCAAGGACGCCTGTCCAGAGCCACAGGGCCCTCC
CTGCTCAGCTGCGGGCCCTGCAGGAGTTGGACCTCACAGCCTGCAGCAAGCTGACTGATGCCAGTTTAG
CCAAGGTGCTCCAGTTTCTCCAGCTGAGGCAGCTGTCCCTTAGCCTGTTGCCAGAACTCACAGACAACGG
CTTGTTGCTGTGGCCAGGGGCTGTCTAGCCTGGAGCACTTGGCGCTGAGTCACTGCAGCCGACTCAGT
GACAAGGGCTGGGCCCAGGCAGCTCCTGGCCAAGGCTGCAGCATCTCAACCTGTCCAGCTGCAGTC
AGCTCATAGAGCAGACTGGATGCTATTGGGCAGGCGTGCAGGCAGCTCCGGGTGTTGGATGTGCCAC
GTGCCCTGGCATCAACATGGCCGCGCTCAGACGCTTCCAAGCCAGCTGCCCCAGGTGTCTGTGCCAG
TCCCGCTTCGTGGGAGGGGCTGACCTGACCTAACACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216140 representing NM_001004055
Red=Cloning site Green=Tags(s)

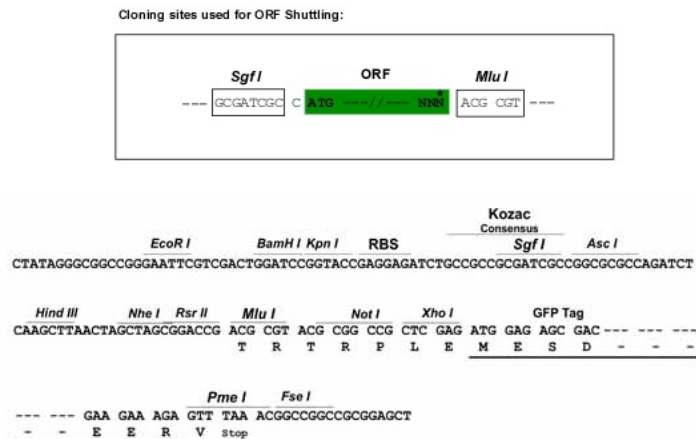
MYSSGWPAEPRHGRGRELAAQALGCMHGAPSLASLSLAHCSSLKSRPELEHQASGTDACPEPQGPS
LLTLRALQELDLTACSKLTDASLAKVLQFLQLRQLSLLPELTDNGLVAVARGCPSLEHLALSHCSRLS
DKGWAQAASSWPRLQHLNLSQSLIEQTLDAIGQACRQLRVLVDVATCPGINMAAVRRFQAQLPQVSCVQ
SRFVGGADLTLL

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001004055

ORF Size: 669 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_001004055.1](#), [NP_001004055.1](#)

RefSeq Size: 1321 bp

RefSeq ORF: 672 bp

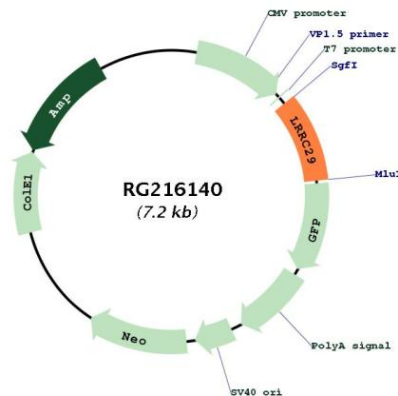
Locus ID: 26231

UniProt ID: [Q8WV35](#)

Cytogenetics: 16q22.1

Gene Summary: This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbls class and, in addition to an F-box, contains 9 tandem leucine-rich repeats. Two transcript variants encoding the same protein have been found for this gene. Other variants may occur, but their full-length natures have not been characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216140