

Product datasheet for **RG232860**

LRRC31 (NM_001277128) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC31 (NM_001277128) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC31
Synonyms:	HEL-S-293
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232860 representing NM_001277128
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGAGTCAAACAAGGAAGAAAACCTCCTCAGAAGGAGAACTAAGCCCCAGACTTCAACTGTCAACAAAT
 TTCTCAGGGGCTCCAATGCTGAAAGCAGAAAAGAGGACAATGACCTTAAACAAGTGATTCCCAACCCAG
 CGACTGGATACAGAAGACAGCCACCTCAGAGACTGCTAAGCCTCTCAGTTCAGAAATGGAATGGAGATCC
 AGTATGGAGAAAAATGAGCATTTCCTGCAGAAGCTGGGCAAAAAGGCTGTCAACAAGTGTCTAGATTGGA
 ATAAGTGTGGATTAACAACAGCGGACATGAAAGAAATGGGAGAAGCATTGAGATGATTCCTGAAGTTGA
 AGAGCTAAATTTGCTTGAACAGTAAAGTGGGAGGAAATTTGCCTCTGATCCTTCAGAAGTTCCAAAA
 GGGAGCAAGATACAAATGATTGAGCTTGTGGATTGCTCCCTCACGTCAGAAGATGGGACATTTCTGGGTC
 AACTGCTACCTATGCTGCAAAGTCTCGAAGTACTTGATCTTTCCATTACAGAGACATTGTTGGCAGTCT
 GAACAGTATTGCTCAGGGATTAAGGACCTCAAATCTGAAAGTACTGAAGTTACATTCATGTGGATTA
 TCACAAAAGAGTGTCAAAATATTGGATGCTGCTTTTAGGTATTTGGGTGAGCTGAGGAAATAGATCTTT
 CCTGCAATAAGGATCTAGGTGGAGGTTTGAAGACTCGCCGGCTCAGTTGGTCATGCTAAAGCATCTACA
 AGTCCTAGATCTTACCAGTGCTCACTAACAGCAGATGACGTGATGTCACTGACCCAGGTCATTCCTTTA
 CTTTCAAATCTTCAAGAATTGGATTATCAGCCAAACAAAAGATGGGCAGTTCTTCTGAAAACCTTACTCA
 GCAGGCTCCGATTTTACCAGCATTGAAGTCATTAGTTATCAACAACGTGCTTTGGAGAGTGAGACTTT
 TACAGCTCTTGTGAAGCCTCTGTTACCTCTCTGCTCTGGAAGTATTCAACCTTTCTTGAACAAGTGT
 GTTGGTGGCAACTGAAGCTGCTTCTGGAACACTAAAGCTTTCCATGTCTCTTCAAGTGTGAGGCTGA
 GCAGCTGTTCCCTGGTGACAGAGGATGTGGCTCTCCTGGCATCGGTCATACAGACGGGTCATCTGGCCAA
 ACTGCAAAAGCTGGACCTGAGCTACAATGACAGCATCTGTGATGCGGGGTGGACCATGTTCTGCCAAAA
 GTGCGGTTCTCAAAGAGCTAATCGAGCTGGATATTAGCCTTCGACCATCAAATTTTCGAGATTGTGGAC
 AATGGTTTAGACACTTGTATATGCTGTGACCAAGCTTCTCAGATCACTGAGATAGGAATGAAAAGATG
 GATTCTCCAGCTTCACAGGAGGAAGAACTAGAATGCTTTGACCAAGATAAAAAAAGAAGCATTCACTTT
 GACCATGGTGGGTTTTCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

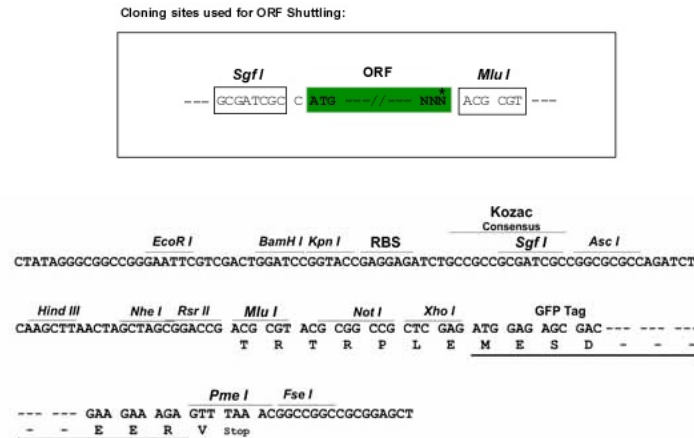
>RG232860 representing NM_001277128
 Red=Cloning site Green=Tags(s)

MSQTRKKTSSGETKPQTSTVNKFLRGSNAESRKEDNDLKTSDSQPSDWIQKTATSETAKPLSSEMEWRS
 SMEKNEHFLQKLGKAVNKCLDLNNGCLTTADMKEMGEAFEMIPLEELNLSWNSKVGGNLPLILQKFQK
 GSKIQMIELVDCSLTSEDGTFLLPMLQSLEVLDSLNRDIVGSLNSIAQGLKSTSNLKVLLHSCGL
 SQKSVKILDAAFRYLGELRKLDLSCNKDLGGGFEDSPAQLVMLKHLQVLDLHQCSLTADDVMSLTQVIPL
 LSNLQELDL SANKKMGSSSENLLSRLRFLPALKSLVINNCALESETFTALAEASVHLSALEVFNL SWNKC
 VGGNLKLLLETLKLSMSLQVLRSSCSLVTEDVALLASVIQTGHLAKLQKLDL SYNDSICDAGWTMFCQN
 VRFLKEL IELDISLRPSNFRDCGQWFRHLLYAVTKLPQITEIGMKRWILPASQEEEECFDQDKKRSIHF
 DHGGFQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001277128

ORF Size: 1488 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_001277128.2](#)

RefSeq Size: 2375 bp

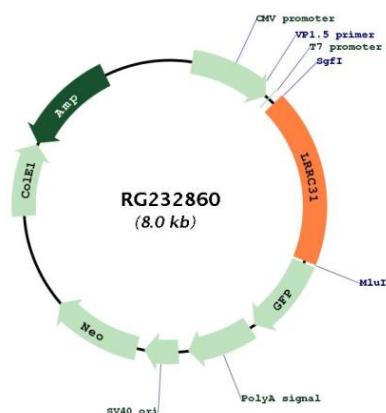
RefSeq ORF: 1491 bp

Locus ID: 79782

UniProt ID: [Q6UY01](#)

Cytogenetics: 3q26.2

Product images:



Circular map for RG232860