

Product datasheet for **RG215765**

DIRC1 (NM_052952) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DIRC1
Synonyms:	disrupted in renal carcinoma 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215765 representing NM_052952
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCCTGAGGCCACATGCAGCCTGCAAACTGCAAACATCACTGCCACCACAGACCACGGAAGCAAGA
AGCCTGTTTCCTGTTACTTGCCACCACTCAGCAATGCCACCCCATGTGTATAGAGGTCCAGAATGCTCA
AAATTGTTCTTCTGCTGCTGCAACATTGGAGCCTTCCATCATCTCAGACACATGCTTTATAACCAATA
ACAAAGGATCAACTTTCTTAGGTCTGAATTGAATACTGTGAGGCTAAAGTGTCTTAACCTATTGAGGG
GGTGAAAAATATTAACCAACTAAGCCTTACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215765 representing NM_052952
Red=Cloning site Green=Tags(s)

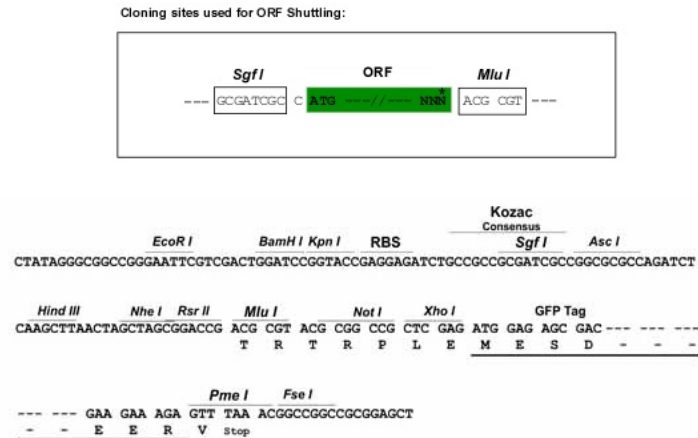
MPEAHMQPAKLQTSPLTDHGSKKPVSCYLPPLSNAHPMCIEVQNAQNCSSAAATLEPSIISDTCFYKPI
TKDQLSSRSELNTRVLKCLNSLRGWKILNQLSLT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_052952

ORF Size: 312 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.

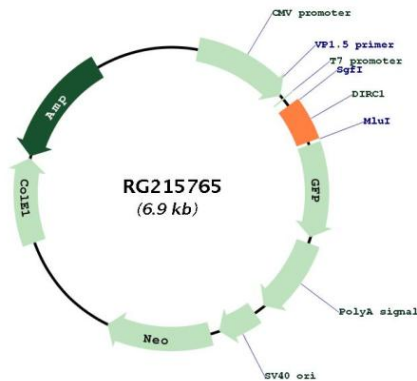
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_052952.3</u>
RefSeq Size:	1454 bp
RefSeq ORF:	315 bp
Locus ID:	116093
Cytogenetics:	2q32.2
Gene Summary:	Disruption of DIRC1 by translocation is associated with familial clear cell renal cancer. Overexpression of DIRC1 is associated with tumor progression and poor prognosis in gastric cancer. [provided by RefSeq, Mar 2019]

Product images:



Circular map for RG215765