

Product datasheet for **RG207262**

CRACDL (NM_207362) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CRACDL
Synonyms:	C2orf55; KIAA1211L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207262 ORF sequence, **codon optimized**.

Due to the complexity of NM_207362, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGATTTCACCCGGGTGATGGATATTAACCTCGGGAGGCTGCCGAAGGACTTGGCGAAGACTCAACCG
GGAAGAAGAAATCCAAATTCAGACTTTCAAAAAGTTTTTTGGAAAGAAGAAGCGAAAGGAATCACCCAG
CAGTACTGGCAGTAGTACCTGGAAACAGAGCCAGACCAGAAACGAAGTGATTGCAATCGAGAGTGGCCCA
GTGGGATACGATAGCGAGGACGAAGTGAAGAGTCCAGAGGCACTCTGGGGTCAAGAGCTCTGTCTCATG
ATTCAATCTTCATCCCCGAATCAGGTGAGGATGCTACGCGACCTGTCAGGGTTTTCTCTCAGGAAATGT
CTGCGACCCGATCAAAGCACTGCAGCTGAAAATTCAGTGCAATGTCAAGATGGGACCCCCCGCCTCCC
GGCGGACTGCCAGCAAAAAGAGGGGAAGATGCTGGGATGTCTTCAGAAGACGATGGCCTTCACGGAGCC
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TACCCTGCTGAGTCTAGCTCTTGCCCTTGACAAACAGCGCGGCCAAGCATAAACTGCAGGTGAAACCAAGGA
ATCAGCGCTCTTCTAAAATGCGGCGCCTCAGTTCTCGGGCCAGTCCGAGTCTCTCTGATCTGACCTG
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GGACAGCAGGATGTGGCCCTGATCGGGTCTGAACCCGGGCCACCTGCTCCACTGCCCTCCCGGGG
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AAGCTCGCAGAGAGAGGCCCCAGGATTCGGAGATCGGGCAGCCTCTCTGCCGCCCTCGCAAAAGCC
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CTTAGTCATCAAAATCTGGCAGCTCAGCCGTATGATGAAAAAGAGCTGCACAGCTGAAGCGGGCCA
GTTACGCCCTACCGACCAAGCGAGTTGGATGGAGCTGCCAGGAAGAAAGCCAGGCTTGGAGCGACAT
GCCACAAATTATAAG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207262 representing NM_207362

Red=Cloning site Green=Tags(s)

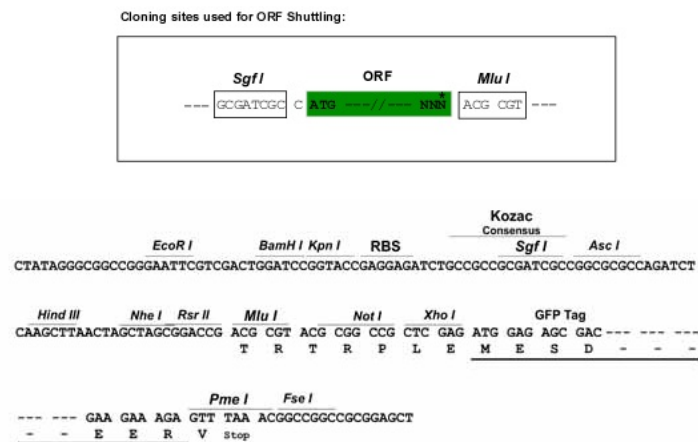
MISTRVMDIKLREAAEGLGEDSTGKKKSKFKTFKKFFGKKKRKESPSSTGSSTWKQSQTRNEVIAIESGP
VGYDSEDELEESRGLGSRALSHDSIFIPESGQDATRPVRVFSQENVCDRIKALQLKIQCNCVMGPPPPP
GGLPAKRGEDAGMSEDDGLPRSPPEMSLLHDVGP GTTIKVSVPDPHVSDTVSARISDNLAPVADFS
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GQQDVAPDRGPEPGPPAPLPPPGGARARRARLQHSSALTASVEEGVPGEDPSSRPATPELAEPESAPTL
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TSEAPSARDGPERSVPKEAETPPVLPDEEKGPPGPAPEPEREAETEPERGAGTEPERIGTEPSTAPAPS
PPAPKSCLKHPAAASEGPAASPLAAESPPVEPGPSLDAEAAAPERPKAERAEAPPAGAERAAPERK
AERGGAEELRGAKKFSVSSCRARPRPGVSRPLERASGRPLARSGPVWRSEALDDLQGLPEPQHAKPGPR
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QEVKGVKRYSAEVLRLSLTVLPKEEKCPGLGTAPALRGTRAPSDQKGKARPPPELSSKPPLPRKPLLQS
FTLHPQPAPPDAGPGERPRKEPRTAEKRPLRGAESLPPAATGPGADGQAPPWITVTRQKRRGTLQ
PPNQEDKPGARTLKSEPGKQAKVPERGQEPVKQADFVRSKSLITPVKPAVDRKQGAQLNFKEGLQRGIS
LSHQNLAAQSAVMEKELHQLKRASYASTDQPSWMEELARKKSQAWSDMPQIIK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

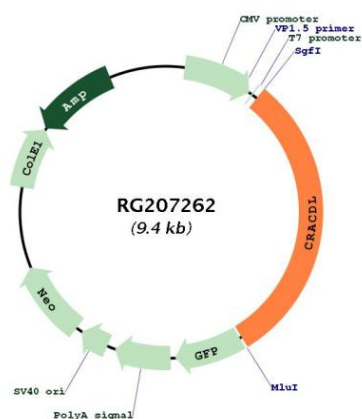
NM_207362

ORF Size:

2886 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_207362.2 , NP_997245.2
RefSeq Size:	3873 bp
RefSeq ORF:	2889 bp
Locus ID:	343990
UniProt ID:	Q6NV74
Cytogenetics:	2q11.2

Product images:



Circular map for RG207262