

Product datasheet for **MG222108**

Crispld2 (NM_030209) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crispld2 (NM_030209) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Crispld2
Synonyms:	1810049K24Rik; coffeecrisp; Lcrisp2; Lgl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222108 representing NM_030209
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTGTCTTCTGAACAATATGGTCCTGATGGGGCTGGCTCTGCTGGTCTGTGGAGTACAGGCCCTTTT
 TCCTTCCCAACACCACGAGCCTGGAGAAGCTGCTGAGCAAATACCAGCATGCAGAGCCACTCAGCGT
 GCGCAGGGCCATCCCATGTGACACCGCAAGAGATCCTCATGCTACACAACAAGCTGCGAGGCCAGGTG
 TATCCCCCTGCCTCAACATGGAACACATGACTTGGGATGAGGAGCTAGAGAGATCTGCAGCAGCGTGGG
 CACATAGATGCCTGTGGGAGCACGGGCCCGCGCCTTCTGAGGTCCATCGGGCAGAACCTGGCTGTGCA
 CTGGGGTAGGTACCGCTCTCTGGGTTCCATGTGCAGTCATGGTACGACGAGGTGAAGGATTACACCTAC
 CCATACCCCCACGAGTGCCTCCACGGTGCCGGGAGCGGTGCTCAGGCCCATGTGCACCCACTACACAC
 AGATGGTCTGGGCCACCACAAGATCGGCTGTGCCGTGCACACCTGTGGAACATGAACGTCTGGGG
 AGACACTTGGGAGAATGCCGTGTATCTCGTCTGCAATTATCTCCAAGGGAACTGGATTGGCGAGGCC
 CCTACAAGCATGGCCGTCCCTGCTCTGAGTGTCCATCCAGCTACGGAGGAGGCTGCCTGAACAATCTTT
 GCCACCGAGAAAAGCCTCACAAGCATAAACCAGAGGTGGATATGATGAACGAGGTGGAATCGCCCCCTGC
 TCCAGAGGAAACCATGTCTGGGTTAGCCAGGGTGTCAAGACCAAGAAGACCCAGTCATCACTTC
 ATGACCCAAGTGGTCCACTGTGACACCAAGATGAAGGACTCATGCAAAGGATCCACGTGTAAACAGGTACC
 AGTGCCACGACAGGCTGTCTGAGCAACAAGGCGAAGGTCTTTGGCTCTCTGTTTTATGAAAGTTCTCCAG
 CATATGCCGAGCTGCTATCCACTACGGTGTATCGATGATCGAGGTGGCCTGGTGGATGTACCAGGAAT
 GGGATGGTACCCTTCTTTGTCAAGTCTCAGAAAAATGGCATGGAGTCCCTGAGCAAATACAAGCCGTCTA
 GTCCTTCACTGTGTCAAAGTGACAGAGACGGCCGTGGACTGCCACGCCAGGTGCACAGCTGTGCCC
 CTTGAGAAAGCCGGCCACCCACTGCCCGAGAATCCAGTGTCTGCGCGCTGTGGAGAAGGCCATCCTAT
 TGGGCTCTGTGTATGGAACCAACATCTATGCTGATACTTCCAGCATTTGTAAGGCCGCTGTGCACGAG
 GTGTCATCGTTGACGAGGTTGGTGGCTATGCAGATGTGATGCCCGTGGACAAAAAGAAGACTACGTGGG
 CTCCTCAGGAACGGGTGCAGTCGGAGAGCCTGAACACTCCTCAGAACGGAAACGCCTCCGGATCTTC
 GCCGTCAGGCAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222108 representing NM_030209
 Red=Cloning site Green=Tags(s)

MSCLLNMMVLMGLALLVCGVQAFPLPNTTSLEKLLSKYQHAEPHSRVRRRAIPMSDRQEILMLHNKLRGQV
 YPPASNMEHMTWDEELERSAAAWAHRCLWEHGPAGLLRISIGQNLAVHWGRYRSPGFHVQSWYDEVKDYTY
 PYPHECTPRCRERCSGPMCTHYTQMVAATTKIGCAVHTCRNMNVWGDWENAVYLVNYSYKGNWIGEA
 PYKHGRPCSECPSSYGGGCLNNLCHREKPHKHKPEVDMNEVESPPAPEETHVWVQPRVIKTKKTPVIN
 MTQVVHCDTKMKDSCKGSTCNRYQCPAGCLSNKAKVFGSLFYESSSSICRAAIHYGVIDDRGGLVDVTRN
 GMVPPFFVKSQKNGMESLSKYKPSSTVSKVTETAVDCHATVAQLCPFEPATHCPRIQPCPARCGEESY
 WAPVYGTNIYADTSSICKAAVHAGVIVDEVGGYADVMPVDKKSYYVGSRLRNGVQSESLNTPQNGNAFRIF
 AVRQ

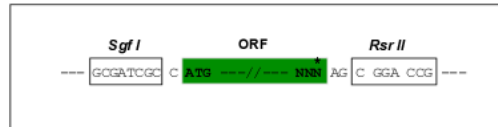
SGP**TRRRLE** - GFP Tag - V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:


ACCN: NM_030209

ORF Size: 1482 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_030209.2](#)
RefSeq Size: 4165 bp

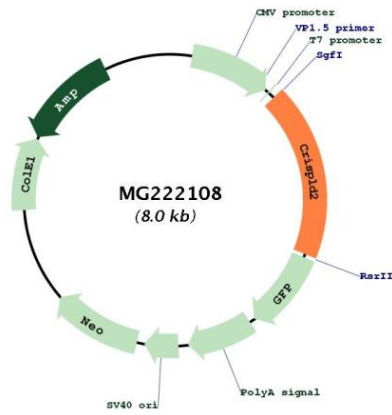
RefSeq ORF: 1485 bp

Locus ID: 78892

UniProt ID: [Q8BZQ2](#)
Cytogenetics: 8 E1

Gene Summary: Promotes matrix assembly.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222108