

Product datasheet for **MG208146**

Crispld1 (NM_031402) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crispld1 (NM_031402) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Crispld1
Synonyms:	Cocoacrisp; Lcrisp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208146 representing NM_031402
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTGTAAGGCACAGGAGTGGCTCAGAGTGACCCACTGCTATTTGTGGCTAGAGCAGTTCAGCTA
 TGGTGGTTCTAATGCCACTTGTCTGGAGAACTTTGGAAAAATACATGGATGAGGATGGTGAATGGTG
 GACAGCTAAGCAAAGAGGAAAAGGCCATCACAGACAATGATATGCAGAGCATCTTGGATCTCCATAAT
 AAAGTGAAGTCAAGGTGTACCAACAGCTTCTAATATGGAGTATATGACATGGGATGTGGAGCTGGAAA
 GATCTGCAGAATCCTGGGCTGAAATGTGTTTGTGGGAACATGGCCCCGCGAGCCTGCTGCCCTCCATTGG
 ACAGAATTTGGGGGCACACTGGGAAGATACCGACCCCAACCTTTCATGTACAAGCATGGTATGATGAA
 GTGAGAGACTTTAGCTACCCATATGAAAATGAGTGTGACCCTTACTGCTTTTCAGATGTTCTGGCCCTG
 TTTGTACACACTACACTCAGGTGGTGTGGGCTACTAGTAGCAGAATAGGCTGTGCCGTCAATCTGTGCCA
 CAACATGAACATCTGGGGCAGATATGGCCAAGGCAGTCTACTTGGTGTCAATTAATCCCAAGGGA
 AACTGGTGGGGCCACGCACCTTACAACATGGAAGGCCTTGTCTGCTTGCCACCCAGTTTTGGAGGAG
 GCTGTAGAGAAAATTTGTGCTACAAAGAAGGGTCAGACAGGTATTATACCCCTCGAGAAGAAGAAACAAA
 TGAAAATTGAACGGCAGCAGTCTCAGGTCCATGACACCCATGTTTGAACAAGATCAGATGACAGTGACAGA
 AATGACGTCATCAGCACTCAGCAGATGTCTCAGATTGTTTCTTGTGAAGTAAAGTTGAGAGACCAGTGTA
 AAGGGACCACCTGCAACAGGTATGAGTGCCTGCAGGCTGCTTGGACAGTAAAGTAAAGTAAATGGGAG
 TGTACATTATGAAATGCAATCCAGTATCTGCCGAGCTGCCATCCACTATGGGATAATAGACAATGAAGGT
 GGGTGGGTAGATGTCACCTCGACAAGGGAGAAAGCATTACTTCATCAAATCCAACAGAAATGGCATTCAA
 CAATTGGAAAATATCATTCTGCTAATTCCTTACAGTCTCCAAAGTTACAGTTCAAGCTGTGACCTGTGA
 AACTACAGTGGAAACAGCTCTGTCCATCCATAAGCCTGCTTCTCATTGCCCCAGAGTGTACTGCTCCTCGA
 AACTGTATGCAGTCAAATCCACATTATGCTCGTGAATCGGGACCAGAATTTATTCTGATCTGTCTAGTA
 TCTGCAGAGCAGCGGTGCATGCTGGGTGGTTCGAAATCATGGTGGTTATGTGGATGTCATGCCTGTGGA
 TAAAAGAAAGATGTACACTGCTTCTTTTTCAGAATGGAATATTCTCAGAAAGTTTACAGAACCCTACAGGA
 GGAAGGCATTCCGTGTATTGCTGTTGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208146 representing NM_031402
 Red=Cloning site Green=Tags(s)

MMCKAQEWLRVTALLFVARAVPAMVVPNATLLEKLLLEKYMDEDEGEWWTAKQRGKRAITDNDMQSILDLHN
 KLRSQVYPTASNMEYMTWDVELERSAESWAEMCLWEHGASLLPSIGQNLGAHWGRYRPPTFHVQAWYDE
 VRDFSYPYENECDPYCPFRCSGPVCTHYTQVWATSSRIGCAVNLCHNMNIWQIWPKAVYLVVNYSPKG
 NWWGHAPYKHGRPCSACPPSFGGCGRENLCYKEGSDRYYPREEETNEIERQSQVHDTHVTRSDSDR
 NDVISTQQMSQIVSCEVRLRDQCKGTTTCNRYECPAGCLDSKAKVIGSVHYEMQSSICRAAIHYGIIDNEG
 GWVDVTRQGRKHIFIKSNRNGIQTIGKYHSANSFTVSKVTQAVTCETTVEQLCPFHKPASHCPRVYCP
 NCMQSNPHYARVIGTRIIYSDLSSICRAAVHAGVVRNHGGYVDVMPVDRKMYTASFQNGIFSESLQNPTG
 GKAFRVFAVV

TRTRPLE - GFP Tag - V

Restriction Sites:

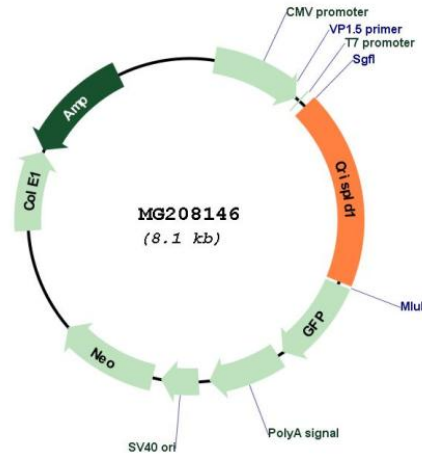
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_031402

ORF Size: 1500 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_031402.2](#), [NP_113579.2](#)

RefSeq Size: 4006 bp

RefSeq ORF: 1503 bp

Locus ID: 83691

UniProt ID: [Q8CGD2](#)

Cytogenetics: 1 A3