

Product datasheet for **MG208540**

5830457010Rik (BC023107) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5830457010Rik (BC023107) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	5830457010Rik
Synonyms:	5830457010Rik; Ctf8; Derpc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208540 representing BC023107
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGAACCCCGATTTCCTAGAGAGCGACCAACTCCTGGACTCGTGCTCCATTGCCACCTCGAG
 GACGGCTGGACGAAGGGCTGTTATGAACGCAGGCCACCAATGGGTGTGAACTCAGATCCTTTCTTAT
 GGCAGCAGTTCTCTTGGTGAAACCTGGCTCCATTTCCAAGGAATGCAGCTCCTTTTCAGAATCCATCA
 GGCTCTTTGGCGTCAAACCCAGCACACTTTGCTGCTGGTCTCGCAGCCAGGCATGACTTCTTTCCCAA
 GAGGGATGAATCCACTGGCACAGGTGCAGTTTCTTCCAAGGCCAGGAGGCCTGTTGGGACCAGGACC
 AGGACCAGGTTTAAACCTAGAACAGGGGCTTCCAGGCCAGGGCCTATGTCTAACCCAGATTAGGA
 GGGCTTCTGGACCTGGTCTATGGCCAACCAAGGGCAGGGGACTTCTGGGAGCAAGTCTGACCCTA
 GAAGTGGTGGCCCATGGTCCCTGGATGTGACCCAACATGAGGGCAGGTGTTTTGTCTCTGGACTGG
 TCCTCCAATCCTAGGCCAGTTGGCTGGTCTGGACCAAGTCAAATCTGAGATCAAGCTTTTTAGGT
 ACAAACCCGGCCCTAGTTCGGGTATGTTTCCAGGCCAGGCCTGGGTCCAACCCACGAGCATGTGGCT
 TAGGACCAGGTCTTGGGCCAACCAAGAGCTGGTGGCTAGGCCAGGCCAAATCTGGACAACAGAGC
 AGGTGGCTCTTAGGTACAGGATCTGGTCTTAAGTAAAGAAATGGCTGGACCTCAAGGCTTAGATCTTGC
 CCCATCCTGAGGGCAGCAGGTCTTTAGGGACAAATTCAGTTTCTTTTCCAGGCTTCTGGAAACATGG
 GCACAAACCCGCCACCATGACAAGAGTACCTGGCCCCATAGGTCCAACACAGGTCCTAGCTCTCGAGG
 ACTTGGCTTCCAGGGCAAATCCCTCTCCATGTCAAGGGCTCCTGGCCCCATGGGTCTAATTCAGCT
 CATTTCTAAGACCAGGTGGCCCCATGGGGTAAATGCTGGAGTCTTCCAAGGGGACAGGATCAGGAG
 GACTGAACCCAAATGCCTTCTCAGTCTTCTGGCACATTGGCCTCAAATCCAGGCACCTTTCAGAGGTC
 TGCTGGCCTCCAGGGCTCAAATCAAGCAGTTTTTCCAAGAGCCTCTGGGCCACTAGGCCCAACCCAGCT
 AACTTTCCAAGGGCCACTGGCCTGCAGGGTCCAAGTCCAGCTGCCTTCCAAGGTCTGCTGGTCCATTAG
 GCCCAGGTCAAGTTGCTTTCCCAAGGTCAAGTGCAGGCTCAGCTGCGGGGCACCTGGGCTCTTCTCCAGCAGGCCCTGTGGG
 TATCAACCCAGCTCCTTTTGAAGACCAACGGGGACCCTGGGCCCTAACCAGCTTCTTTCCAAGGATG
 AATGGCCCTGTAGGTAAGACTTTGGTCCCATTCTCAGGGTAGGCAGCCTCCCTGGCTCAAATCCAGCTG
 CTTTCCCAAGGCCAGGGGTCCAATGGCTGCAATGTACCCAAATGGAATGTTACCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208540 representing BC023107
 Red=Cloning site Green=Tags(s)

MKEPRIFPRERPTPWTRAPLPPRGRLEDEGPVMNAGHPMGVNSDPFLMAAGSLGGNLAPFPRNAAPFQNP
 GSLASNAHFAAGARDPGMTSFPRGMNPTGTGAVSFPRPGLLGPGPGPLNPRTGALPGPGMSPNRLG
 GLPGPGMANPRAGLLGASPDPRSGPMVPGCGPNMRAGVLSSTGPPNPRPVGLGPGSPNLRSSFLG
 TNPAAPRSGMFPGLGPNPRACGLGPGLPNPRAGGLGPGPNLDNRAGLLGTGSLNLRMAGPQGLDLA
 PILRAAGLLGTNSVSFSQASGNMGTNPPTMTRVPGPIGPNTGPSRGLGLPGPNPSPMSRAPGMPNSA
 HFSRPGGPMGVNAGVFPRTGSGGLNPNASFQSSGTLASNPQTFQRSAGLQGSNQAVFPRASGPLPNPA
 NFPRATGLQGSPAAFPASAGPLGPGQVAFPRSAAGHLGSSPAGPVGINPAPFARPTGTLGLNPASFPRM
 NGPVGKTLVPFPRVGSPLPGSNPAAFPRPGGPMAMYPNGMLPP

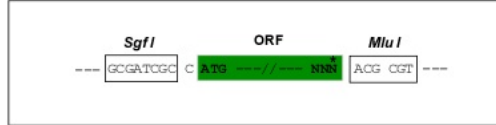
TRTRPLE - GFP Tag - V

Restriction Sites:

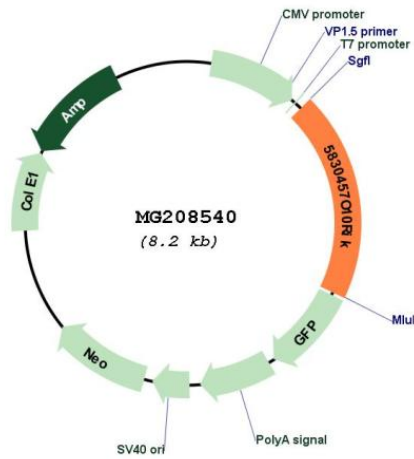
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	BC023107
ORF Size:	1599 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:	<ol style="list-style-type: none">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:	BC023107.1
RefSeq Size:	2716 bp
RefSeq ORF:	1601 bp
Locus ID:	214987
Cytogenetics:	8 D3
Gene Summary:	Potential tumor suppressor.[UniProtKB/Swiss-Prot Function]