

Product datasheet for **MG215451**

Cdsn (NM_001008424) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdsn (NM_001008424) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdsn
Synonyms:	A1747712
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215451 representing NM_001008424
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGTTCTCTCGGGCACCCCGGATGGGGAGTGTGGGAGGGCACGGGCTGATGGCATTGCTGATGGCCG
 GTCTTATTCTGCCAGGAATCTTGGCTAAGAGCATTGGGACCCTCTCAGACCCCTGTAAGGACCCACAGG
 GATCACCTCCCCGAATGACCCTTGTCTCATTGGAAGACTGGCTCCAACAGCATCAGCAGCCAAGGTGGA
 TCCAGCAGCTTACAGCAGCCAAGGTGGATCCAGCAGTTTACAGCAGCCATGGTGGATCCAGCAGCTCCCAGG
 GAAGTTCTTACAGATCCTTGATATATAAACAGGAACAGGGTATCCCAGAGTAGCTACTCTTATGGCTC
 TGGCGGCTCCCGGCCAGGAGGCAGTGGCTCTCAGTCAGGAAGCAGCGGCTCTCAGTCAGGAAGCAGCGGC
 TCTCAGTCAGGAAGCAGCGGCTCTCAGTCAGGAAGCAGCGGCTCCAGTCAGGAAGCAGTGGCTCCCAGT
 CAGGAAGCAGTGGCTCTCAGTCAGGAAGCAGTGGCTCCCAGTCAGGAAGCAGCGGCTCTCAGTCAGGAAG
 ATGGGTAAGCAGCAGTTCTCAATGGTAAGCAGCAGTTCTCAGTCGGGAAGTTCAGGAAGCAGTCGCGAC
 AGACCCGGAAGTGGCTCTGCTCTACCAACCGGTGACAAGACATCAGGCATGTCTCAGTCAGTGGAGGCTCGT
 CCACTTCCAGAGCAGCAGCTCCAACCTGCGGCCCTGTAGCTCCAACGTGCCGACTCTCCCTGCAGCGG
 GGGCCTGTATCACACTCGGGGCCCTACATCTCTGGCACCCACACTGTATCCGGTGGCCAGAGACCT
 GTAGTGGTGGTGGTGGAGCAACATGGCTCTGGTGGCCCTGGGTTTCAAGGCATGCCCTGTAGCAATGGAG
 GCCCGCAGGTAAGCCCTGCCCTCCCATCACCTCTGTCCAGAAACCTATGGCGGCTATGAGGTGGTGGG
 TGGCTCTGCCAACAGTTATCTGGTCCCAGGCATGACCTACAGTGGGGTAAAATCTACCCCGTGGGCTAC
 TTCACCAAGGACAACCTATCAGGGCTCGCCAGGGCCCCCTCTTTCAGCTGGGCCCCCAGTCTCTG
 AGGGCAAGTACTTCTCTAGCAACCCATCATCCCAGCCGTGGCTCTTCCAGTCCAGTGGCTACCCAGT
 GGGCGTTGCGTTCCAGCCCGTGGGCTCTGGCGGGTTCAGCCCTGTGGCACTGGCTCTGTACAGCTTAAG
 GGCCCTTCTCGGTACGAGAATTCAGATCACCTCCAGCAGCTCCAGTACCTCCTACCACCCTGCAGCG
 GTGGTCTTCCCAGGTCCTTGCTCCTCACCAGGCACCGGCTCCATCAGTGGGGGAACTCCTCCCTCTC
 CTCTGGCAAAATCGTCTTACGCCCTGCGGCAGCAAATCTACCTCTTGGGTTACCCCTGCCTTTCTGTT
 CCCTCCTCCCGTTGAATGGTGGTCTGAATGGCTCTCCTCAGCCTGTCCCTCCGTGGTGTCAAGCTCT
 GTGGCCTCAACAGCCCTGGAAGAGTGCCTGCCGTTCCATCCGCAACATTCTGACCCAAGTGAAGCCTTT
 GGGACCCAGTTAATGGATCCCAAAGTTTCTCTGCCACAGGGAGGCCACAGGGAGGCCACTTGAGAAG
 TCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215451 representing NM_001008424
 Red=Cloning site Green=Tags(s)

MGSSRAPRMGSGVGHGLMALLMAGLILPGLAKSIGTLDSPCKDPTRITSPNDPCLIGKTSNSISSQGG
 SSSFSQGGSSFSHGGSSSSQSSSGSLIYKPGTGYSSSYSGSGSRPGSGSQSGSSGSQSGSSG
 SQSGSSGSQSGSSGSQSGSSGSQSGSSGSQSGSSGSQSGRWSSSSQWVSSSSQSGSSGSSRD
 RPGSGSALPTGDKTSGMSQSGSSTSQSSSNLRPCSSNVPDPCSGGPVITHSGPYISGTHTVSGGQRP
 VVVVVEQHSGSGPGFQGMPCSNGGPAGKPCPPITSVQKPYGGYEVVGGANSYLVPGMTYSGGKIYPVGY
 FTKDNPIRGSPGAPFAAGPPVSEGKYFSSNPIIPSRGSSSSGYPVGVAFQPVGSGGVQPCGTGSVSSK
 GPCSGTRIQTSSSSSTSYHPCSGGPSQGPCSSPGTGSISGGSSLSGKIVLQPCGSKSTSSGYPCLSV
 PSSPLNGGLNGSPQPVPSVGVKLCGLNSPGRVPCRIRNILTQVKPLGPQLMDPKVSLPQGEPPQEPLEK
 S

TRTRPLE - GFP Tag - V

Restriction Sites:

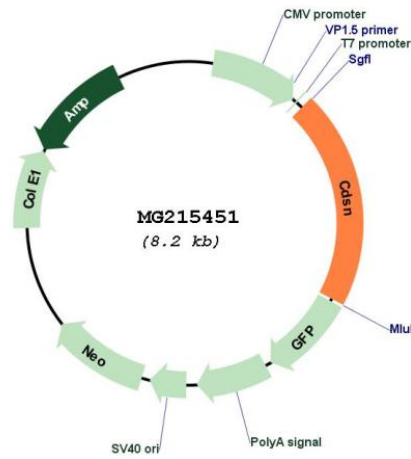
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001008424
 ORF Size: 1683 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:	NM_001008424.2 , NP_001008424.2
RefSeq Size:	2678 bp
RefSeq ORF:	1686 bp
Locus ID:	386463
UniProt ID:	Q7TPC1
Cytogenetics:	17 B1
Gene Summary:	Important for the epidermal barrier integrity.[UniProtKB/Swiss-Prot Function]