

Product datasheet for **MG215792**

D5Ertd579e (NM_001081232) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	D5Ertd579e
Synonyms:	9030221A05Rik; A930018H20Rik; Kiaa0232
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215792 representing NM_001081232
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCCCTGTCTGTACAGTTGTTGTGGATGGTTGCCATCTGAAAGCACCTCAAGTTCTTATCCAGGCC
CTGTGTCTGTTTCTGACATGTCGCTGCTTCATGCATTGGGCCAGTGCAAACCTGGCTGGGACAAGAGCT
GGAGAAATGTGGCATTGATGCCATGATTTATTCACGGTATATCCTCAGTCTTCTGCTGCATGACAGCTAT
GACTACGACCTGCAGGAACAGGAGAATGACATCTTGAGCTGGGAGAAGGAGCTTATAAGAAATGGGGAA
GGAGTAAGAAGAAGTGTCTGATCTAACGCTGGAGGAGATGAAAAAGCAGGCTGCTGTCCAGTGTCTGCG
CTCTGCTTCTGATGAAAGCTCTGGGATCGAGACTTTAGTAGAAGAGCTCTGCTGCAGACTGAAAGACCTA
CAGAGCGAGCAAGAAGAGAAGATTCACAAAAAGTTAGAAGTTCTCCTTCTCCAGAGGAAGAATTGTCCC
CTACAGCAAAGATCAAGTGGAAATGACTATGAAGCATTTCCACCACTGTCTGAGAAACCGGTTTGTCT
GCAAGAGATCATGACCGTGTGGAACAAGTCCAAACCTGTTCTTACTCTAGCTCCTCGTCATCATCCACA
GTCCCACCAGCAAGCACGGATACATCTTCCAAAGGACTGCAACAGTGAGAGTGAAGCCGTGAGAGAGA
GAAGCAGTGTGCGCTCTGTCCCATGCATGAGAAAGCCAGAGCAGGAGCAGACACGAGAAGGAGAGCAA
GCTGAGCAGTAGCACCATCGAAGAAAAGCCTGCCTTTTACAAAAGGCAGATCCGACACAAAACCTGAAGGG
AAGACGCGCCCTCGCTCATGGTCATCTGGCTCTAGTGAAGCAGGTTCAAGTTCAAGTGGTAACCAAGGAG
AGTAAAAGCATCCATGAAGTATGTTAAAAGTCAGACACAAGGCACGAGAAATTCGAAACAGAAAAGGGCG
GAATGGGCAAAACAGGCATTCCTGAAAGCATTGTGAAAGGCAGAGAGAGGAGTCCATGCAGGCAGTGGT
GGCAGCAGCAGCAGCAGCAATGGTCCATCAGGCAGCTGTGCAAGCGGGTAAAAGACCAGCAAAGG
AGACGGGAAGGAGCGACTCTGGGAACACTGCAAGTAAAAGACCTGTATGTGGACAGCAGAAAACAACAAGA
GTACAAGGAAGAGCCCCTGTGGTACACAGAGCCCATGCTGAGTATTTTGTTCCTTTGAGTAGAAAAAGC
AAACTAGAGACCACATACCGAAAACAGGGAAGATACAAGTACTCTGACAGCAGAGGCAGTGGAAAGACTTGT
CTGACTCTGTGCGTGGTCTGTGTATCAGTAACAGTAATATCCACAGAACATACCTCGCAGCAGGTACTTT
CATTGATGGTCATTTTGTAGAAATGCCTGCAGTTATAAACGAGGATATTGACCTCGCTGGGACCTATTA
TGTTCTCTACCAGAGGACAATAAGTATCTGGATGATATTCATCTATCAGAACTAACACACTTCTATGAAG



TGGATATTGATCAATCCATGTTGGATCCTGGTGCCTCAGAAACAATGCAAGGAGAAAAGTCGGATTTTGAA
TATGATTCGACAAAAAGCAAGGAGAATACAGATTTTGAGGCAGAAATGTTGCATAGTGTAGATGGTATG
GAGTTGCAAGGGGAACGTGCAATATGGACAGATTCTACCAGCTCTGTGGGTGCTGAGGGCTTCTTCTGC
AAGACCTTGGCAATCTGGCTCAGTTTTGGGAGTGTGTTTCATCTAGTTCTGGTGATGCTGATGGAGAGAG
TTTTGGAGGAGACTCTCCAGTTAGACTCTCTCTATCTTGGACAGCACGATGCTCAGTTCACACATACTT
GCTGGCAATCAAGAGCCCTTTTCCAATATTAATGAAGGATCTGGTATAAACTCTTGTTTTTTCAGTATTTG
AAGTGAATGCAGTAATCTGTTTTACCATTTTCTTTGAAACACTCAACTGGGAAGTGAACATGCAGA
TTCTAGTGCTAATATGCTGGGAAAAACACAGTCTAGATTGCTCATATGGACAAAAAATAGTCCCTTTGAA
GAAAACGAACACTGTTCTAATCTTTCAACAAGAACTTGTAGTCCGTGGTCCCATTTCGGAAGAAGCAGCT
CAGACAATGAGACTAAACATTAGTTTGAAGAATCGACACAGTTTACTGCAGAAGATTAATATATGT
GGTCCCAGAGTCTCGTCAGATTTGTAGATGAAGAGCTTCTAGATTTTTGCAGGATGAAACTTGCCAG
CAAAACAGTAGAACTTTAGGAGAAAATTCCTACATTAGTTTTCAAAAAACGATCTAAGCTAGAATCTGTGT
GTGGTATTCAGCTAGAACAAAAAGGCAGAAAGCAAGAACTTTGAAACTACACATGCATGTAGTGAAGCAG
TCCACATGGAGATGGCTACAGCTCAGGGTTATTAAGACATTTGGACAAAGATGGTAGGTAGGAGTTCT
GTGGCTGCAGTAGACAGAAAGAACTGGGAGGAATGTTTTCCACAGATGTAATAACTACTGCTGCT
GTTTGGATACTGAGCGAAGATGGAAGCCCTTCAAGAGCCTAGTAGGGCTGTGCAGAGATCAGAGTATCA
TCTCTGGGAGGACAGAAAGGAAACATGGAGAAGAGAGCATTTGTCTCTAGTGAGCTGTCCAAGGTGGAT
GGTGGCGATTACACCACACCCTCTAAACCTTGGGATGTGGCCCAAGATAAGGAGAACACATTCATTTTG
GAGGAGTTTATGGAGAGCTCAAAACATTCAACAGTGATGGGAGTGGCAGTTGTACCACCTGGTCACAC
AAAAGGGAGCTTGTACAGTGTGCAGCCTCTGATGTGGTGACAATCGCCGGTACAGATGCTTTATGACC
CCTGGAACAGCTTTGCTCCTGGTCACAGGCAGCTCTGGAAGCCCTTTGTGTCATTTGAACAGAGTGACA
TGCCGAAGAGAGGGGAAAAATGGAGTAAACAAGGGTTTTCTTTTATCTTCCATGAAGACTTGTAGGAGC
CTGCAGTAACCTTCAAGTTGAAGATCCTGGCCTTGAATACTCACTCTCTTCTTTGACCTAAGCAACCCC
TTCTCACAAAGTTCTCCACGTAGAGTGTCTATTTGAACCAGAAAGGGATTGCATCTTTTAGCCCCAGTTTCA
AGCCGAAATCAATCCTCTGCTCTGATTAGACAGTGAGGTTTTTCAACCCAGAATATGTGGTGTGCAAGG
GACACAGTACAGGGCTATTGCAATCTCTCCCCGACTCACTTTGCCCCGATTTCTGCATCTGAACTATCC
CCTGGAGGAGGAAGTGAAGTCAAGATTCGAATCTGAAAAGATGAAGCGAGTGTCCCATTCCTTCCCATG
TTGATGTATTTGAAGACCCACAAGCAGATCTCAAACCTTTAGAGGAAGATGCAGAGAAAGAAGTCACTA
CTATGGAAAGTTAGAGCTTGAAGTCTGGAAAGTTCTGCCCAGGTTAAAAAATCTGGAATGGAGAAGAGT
GCTCAGACATCACTGGATTCAGGAGGAGGCAACTGGGATTCGCCGAAACAAAAATCAGTGTGGAAAT
GTAACTTTAAACGAATCTCTAGAAATTAATTTAGAAAGCTCAGCAGCAAATGTAATAATGACACAATG
TGAGGAAGAGATGAGTGAAGTTTGCAGTTGCAAAAGCAGGTTGTCAGTTCCTGCTTGTGAAGATAATCCA
GTTTCTTTCAGGACAATGGAAGAGTTTCTGTACTGAACACTGATGTGCAAGAAGTAACAAGAAATCAAG
AAAAGCAGAGCTGGTGGAAAAAGCTTTGTACTCTCCCTTTTCCCACGTGAGAGTGTGAAGAATGTTA
TACAAATGCCAAGGGAGAGAATGGTATAGAAGAATGTCCAGATGCTAAAGAGACACCCAGTCGTGAAGAG
CGTCTGTAGATTTTAAATAGGGTGTCTTCTGTTTATGAAGCAAGATGCACAGGAGAGAGAGGTTCTGAGA
CAAAACCAATGGCCTCCACAGGAAGATGTGTTCCAGTGCCAGCTCTGACACGGGCGACACAGGCTCCGA
AGCCGGCGGAGAGTGGGTGGGCCCCAGCAGAGAGGAGCTCTTCTCCCGAACACATCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215792 representing NM_001081232

Red=Cloning site Green=Tags(s)

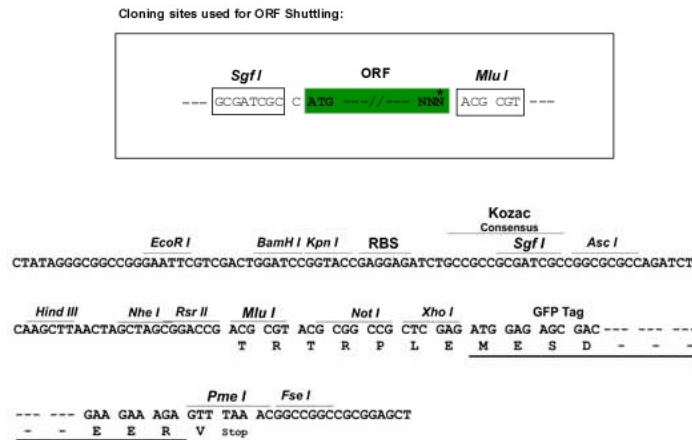
MRPVCTVVVDGLPSESTSSSYPGPVSVSDMSLLHALGPVQTWLQGELEKCGIDAMIYSRYILSLLHDSY
 DYDLQEQENDILSWEKGAYKKWGRSKKCCSDLLEEMKKQAAVQCLRSASDESSGIETLVEELCCRLKDL
 QSEQEEKIHKKLEGGSPPEEELSPTAKDQVEMYEAFPLSEKPVCLQEIMTVWNKSKPCSYSSSSSSST
 VPPASTDTSPPKDCNSESEAVRERSVASVPMHEKAQSRSRHEKESKLSSTIEEKPAFYKRQIRHKPEG
 KTRPRSWSSGSSEAGSSSSGNQGELKASMKYVKVRHKAREIRNRKGRNGQRHSLKHCGKAERGVMHAGSG
 GSSSSSSNGSIRQLCKRGRPAKETGRSDSGNTAVKDLVYVDSRNNKEYKEEPLWYTEPIAEYFVPLSRKS
 KLETTYRNRDSTLTAEAVEDLSDSVRGLCISNSNIHRTYLAAGTFIDGHFVEMPAVINEDIDLAGTSL
 CSLPEDNKYLDIHLSELTHFYEVYDIDQSMIDPGASETMQGESRILNMIROKSKENTDFEAECCEVLDGM
 ELQGERAIWTDSTSSVGAEGFFLQDLGNLAQFWECCSSSSGDADGESFSGGDSVRLSPILDSTMLSSHIL
 AGNQEPFNSINEGSGINSFCVFEVQCSNSVLPFSFETLNLGSEHADSSANMLGKTQSRLLIWTKNSAFE
 ENEHCSNLSTRTCSPWVSHSEEARSDNETLNIQFEESTQFTAEDINVVVPRVSSDFVDEELDLQDETQC
 QNSRTLGEIPTLVFKRKSLESVCGIQLEQKAESKNFETTHACSESSPHGDGYSSGVIKDIWTKMVRSS
 VAAVETERTGEELFSTDVNNYCCCLDTEAKMEALQEPSRAVQRSEYHLWEGQKENMEKRAFVSELKVD
 GGDYTTSPKPWDVAQDKENTFILGGVYGELKTFNSDGEWAVVPPGHTKGSLLQCAASDVVTIAGTDVFM
 PGNSFAPGHRQLWPKFVSEFQSDMPKRGENGVNKGFSEIFHEDLLGACSNFQVEDPGLSEYLSDFLSDSNP
 FSQVLHVECSFEPEGIASFSPSFKPKSILCSDSDSEVHPRICGVERTQYRAIRISPRTHFRPISASELS
 PGGGSESEFESEKDEASVPIPSHVDVDFEDPQADLKPLEEDAEGHYGKLELESGKFLPRLKKSMEKS
 AQTSLDSQEEATGILPKQNQCLECNFNESLEINLESSAANKIMTQCEEMSEFCSCKAGCQFPACEDNP
 VSSGQLEEFVLTNDVQEVTRNQEKQSWWEKALYSPLFPTSECECYTNAKGENGIEECPDAKETPSREE
 RLLDFNRVSSVYEARCTGERGSETKPNGLHRKMCSSASSDTGDGTGSEAGGEWVGPSREELFSRTHL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

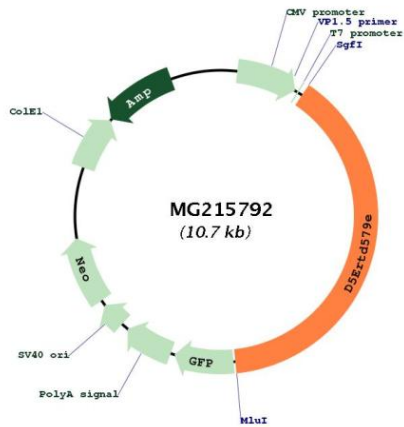
NM_001081232

ORF Size:

4188 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001081232.2
RefSeq Size:	6720 bp
RefSeq ORF:	4191 bp
Locus ID:	320661
UniProt ID:	Q80U59
Cytogenetics:	5 19.18 cM

Product images:



Circular map for MG215792