

Product datasheet for **MG209264**

D15Ertd621e (BC033609) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	D15Ertd621e (BC033609) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	D15Ertd621e
Synonyms:	mKIAA0493, MGC40987
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209264 representing BC033609
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCGGGTACAAGGTGATTATTTTGAACCTACTCTATAAGATATTTGTGTCTATAGATGAACACA
 CTAATGTTGCAGAGCTTGCAAATGTCCTTGAGATAGACTTATCGCTGGTGAAGAATGCTGTTTCAATGTA
 TTGCCGATTGGGCTTTGCCCATAGAAGGGACAAGTGATAAATTTGGATCAACTTCATTCGTCATGGAAG
 AATGTTCCATCTGTGAATAGACTAAAGAGCACATTAGACCCACAAAAGATGCTCTTATCGTGGGATGGCG
 GGGAGAGTAGGAGTCCCGTGCAAGAAGCCTCTTCTGCTACTGACACAGACACAAATAGTCAAGAGGATCC
 AGCTGACACGGCCAGTGTGAGCAGTTTGAAGTCTGTCCACTGGGTACACAAAGCGAATTGCATTCTGTTT
 GACTCCACTCTGACTGCATTCTTAATGATGGGAAACCTTTCACCGAACTTGAAAAGCCACGCAGTCACCA
 TGTTTGAAGTAGGCAAACTCTCAGATGAGTCTCTGGACAGCTTCCTTATAGAATTAGAGAAGGTTTCAGAG
 CACTGGTGAAGGAGAAGCACAGAGATACTTTGACCACGCATTACTCTGAGGAACACTATCTCTTCTCTG
 CGTCATAATAAGGATCTGGTGGCTCAGACCTCTCAGCCAGACCAGCCCAACTATGGTTTCCCCCTGGATC
 TCTTACGCTGCGAAAGCCTTCTTGGTTTGGACCCAGCAACTTGCAGCAGAGTTCTAAACAAAACTACAC
 ACTGCTTGTTCATGGCGCCTCTTACCAATGAGATCCGGCCAGTCAGCAGCTGCACCCCGCAGCATATC
 GGACCACTATCCAGAAGTCAGTTCTGTCTGGTTTAAATTGTATATTTACCATGTCAGTGGGCAAGGAC
 CACCATCTCTTACTGTCCAAAGGTACAAGACTTCGGAACTGCCAGATATATCCAGGGTTATGATCG
 GTTACTTATAACCTCTTGGGGCCATGACCTGGGGTCTTCTGCTTCAAACGTTCTCACGATGCTGAAT
 GATGCTTTAACCACTCAGCAGTGCTCATTGAGGACATGGTTTGCATGGGGTAGGAGAGACTGTCCATA
 TACCCTTTCCATTTGATGAAGCAGAGCTGCAAGGAGAGTTACCCGTGCCAGTATGGGTGTTTCATAAAGC
 ACTGCAGATTCTGCGGAGCAGAGTGAGCTTGACGATTTCTGCGGCTATGTCACCATGTTGAATGCTTCT
 AGCCAGCTTGCAAGTAGGAAGCTCAGTGAGGCTTCTGATGAGAGAGGCGAGCCTGATTTGGCTTCTAGTT
 CAGATGTAATGGGAGCAGAGTGCTTTGAAATGGTCATTGAGGAAGCAAGTACAGATTTGGCGACAAA
 ACCAACTCTGGGGCCACAGCAGAAGCAGATTGGGTTCTCTTGAAGTGTGTTTTGGAATTCCTTTGTTT
 AGTTCCGAATTAACCGGAAAGTTTGTGAGAAATAGCTACCCATGGCCTGTGCAGGAAAGAGAGCCTTC
 AAAGTCTCTTACATTCCAGTAGAAAATCTCCCTGCAAGTCTTAACCTTTGTTTATTCCAGGAAGG
 TGCTGCTACTCTGGATCTCCACGCGGAGCCTGGCTTCTCAAGTGTGCTTTCACAGTCGCCCTGCGCTGAC
 ATGGGAGTTCCACTCCGGCCAAAACCTTAATGTTTAAAGATGGTGTCTTATCAGAGTGGAGCGGACGCT
 CACCTTCTCCCTGCTCATCGTAGTCTCCATTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209264 representing BC033609
 Red=Cloning site Green=Tags(s)

MNRVQGDYFETLLYKIFVSIIDEHTNVAELANVLEIDLVLKNAVSMYCRLGFAHKKGQVINLDQLHSSWK
 NVPSVNRKSTLDPQKMLLSWDGGESRSPVQEASSATDSDTNSQEDPADTASVSSLSTGYTKRIAFLF
 DSTLTAFLMMGNLSPNLKSHAVTMFEVGKLSDESLDSFLIELEKVQSTGEGEAQRYPFDHALTLRNTILFL
 RHNKDLVAQTSQPDQPNYGFPLDLLRCESLLGLDPATCSRVLNKNYLLVSMAPLTNEIRPVSSCTPQHI
 GPAIPEVSSVWFKLYIYHVTGQPPSLLL SKGTRLRKLPDIFQGYDRLLITSWGHDPGVVPASNVLTMLN
 DALTHSAVLIQGHGLHGVETVHIPFPFDEAELQGEFTRASMGVHKALQILRSRVDLQHFCGYVTMLNAS
 SQLASRKLSEASDERGEPDLASSDVNGSTESFEMVIEEASTDLATKPNSGATAEADWVPLELCFGIPLF
 SSELNRKVCQKIATHGLCRKESLQSLHSSRKLQVLNLFVHSFQEGAATLDLHAEPGSSVLSQSPCAD
 MGVP LPAKNLMFKDGVLEWSEGRSPSSLLIASLHL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

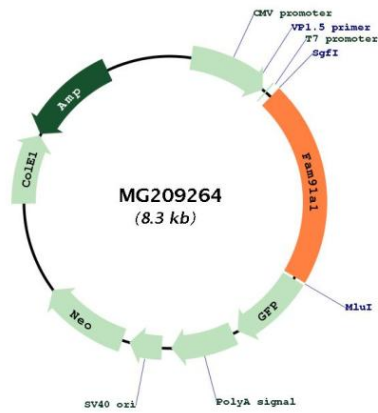
Cloning Scheme:


ACCN:	BC033609
ORF Size:	1785 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC033609 , AAH33609
RefSeq Size:	4689 bp
RefSeq ORF:	1787 bp
Locus ID:	210998

Cytogenetics: 15 24.76 cM

Gene Summary: As component of the WDR11 complex acts together with TBC1D23 to facilitate the golgin-mediated capture of vesicles generated using AP-1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209264