OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG222399

DLL1 (NM_005618) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLL1 (NM_005618) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DLL1
Synonyms:	Delta; DELTA1; DL1; NEDBAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG222399 representing NM_005618
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCAGTCGGTGCGCGCTGGCCCTGGCGGTGCTCTCGGCCTTGCTGTGTCAGGTCTGGAGCTCTGGGG
TGTTCGAACTGAAGCTGCAGGAGTTCGTCAACAAGAAGGGGCTGCTGGGGAACCGCAACTGCTGCCGCGG
GGGCGCGGGGCCACCGCCGTGCGCCTGCCGGACCTTCTTCCGCGTGTGCCTCAAGCACTACCAGGCCAGC
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TGCCCGACGGCGGGGGCGCCGACTCCGCGTTCAGCAACCCCATCCGCTTCCCCTTCGGCTTCACCTGGCC
GGGCACCTTCTCTCTGATTATTGAAGCTCTCCACACAGATTCTCCTGATGACCTCGCAACAGAAAACCCA
GAAAGACTCATCAGCCGCCTGGCCACCCAGAGGCACCTGACGGTGGGCGAGGAGTGGTCCCAGGACCTGC
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GTGTGCAACCCTGGCTGGAAAGGGCCCTACTGCACAGAGCCGATCTGCCTGCCTGGATGTGATGAGCAGC
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TATCCGCTATCCAGGCTGTCTCCATGGCACCTGCCAGCAGCCCTGGCAGTGCAACTGCCAGGAAGGCTGG
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GCACCAACACGGGCCAGGGGAGCTACACTTGCTCTTGCCGGCCTGGGTACACAGGTGCCACCTGCGAGCT
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TCCTGTACCTGCCCACCCGGCTTCTACGGCAAAATCTGTGAATTGAGTGCCATGACCTGTGCGGACGGCC
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CGGGGCCACGCAGATCAAGAACACCAACAAGAAGGCGGACTTCCACGGGGACCACAGCGCCGACAAGAAT
GACTTCAAGGCCCGCTACCCAGCGGTGGACTATAACCTCGTGCAGGACCTCAAGGGTGACGACACCGCCG
TCAGGGACGCGCACAGCAAGCGTGACACCAAGTGCCAGCCCCAGGGCTCCTCAGGGGAGGAGAAGGGGAC
CCCGACCACACTCAGGGGTGGAGAAGCATCTGAAAGAAAAAGGCCGGACTCGGGCTGTTCAACTTCAAAA
GACACCAAGTACCAGTCGGTGTACGTCATATCCGAGGAGAAGGATGAGTGCGTCATAGCAACTGAGGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222399 representing NM_005618
Red=Cloning site Green=Tags(s)

MGSRCALALAVLSALLCQVWSSGVFELKLQEFVNKKGLLGNRNCCRGGAGPPPCACRTFFRVCLKHYQAS
VSPEPPCTYGSAVTPVLGVDSFSLPDGGGADSAFSNPIRFPFGFTWPGTFSLIIEALHTDSPDDLATENP
ERLISRLATQRHLTVGEEWSQDLHSSGRTDLKYSYRFVCDEHYYGEGCSVFCRPRDDAFGHFTCGERGEK
VCNPGWKGPYCTEPICLPGCDEQHGFCDKPGECKCRVGWQGRYCDECIRYPGCLHGTCQQPWQCNCQEGW
GGLFCNQDLNYCTHHKPCKNGATCTNTGQGSYTCSCRPGYTGATCELGIDECDPSPCKNGGSCTDLENSY
SCTCPPGFYGKICELSAMTCADGPCFNGGRCSDSPDGGYSCRCPVGYSGFNCEKKIDYCSSSPCSNGAKC
VDLGDAYLCRCQAGFSGRHCDDNVDDCASSPCANGGTCRDGVNDFSCTCPPGYTGRNCSAPVSRCEHAPC
HNGATCHERGHRYVCECARGYGGPNCQFLLPELPPGPAVVDLTEKLEGQGGPFPWVAVCAGVILVLMLLL
GCAAVVVCVRLRLQKHRPPADPCRGETETMNNLANCQREKDISVSIIGATQIKNTNKKADFHGDHSADKN
DFKARYPAVDYNLVQDLKGDDTAVRDAHSKRDTKCQPQGSSGEEKGTPTTLRGGEASERKRPDSGCSTSK
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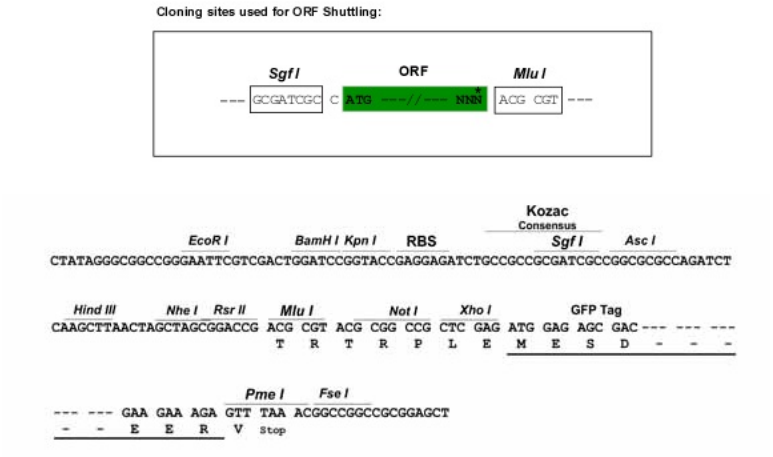
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005618

ORF Size: 2169 bp

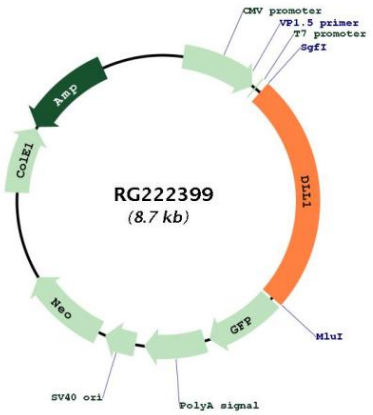
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_005618.3, NP_005609.3
RefSeq Size:	3366 bp
RefSeq ORF:	2172 bp
Locus ID:	28514
UniProt ID:	O00548
Cytogenetics:	6q27
Domains:	DSL, EGF_CA, EGF, EGF
Protein Families:	Adult stem cells, Cancer stem cells, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transmembrane
Protein Pathways:	Notch signaling pathway
Gene Summary:	DLL1 is a human homolog of the Notch Delta ligand and is a member of the delta/serrate/jagged family. It plays a role in mediating cell fate decisions during hematopoiesis. It may play a role in cell-to-cell communication. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG222399