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Product datasheet for RG223538

LYPD3 (NM_014400) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYPD3 (NM_014400) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LYPD3
Synonyms:	C4.4A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG223538 representing NM_014400
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCCCGCCAGGAAAGCAGGTGCCCAGGCCATGATCTGGACTGCAGGCTGGCTGCTGCTGCTGCTGC
TTCGCGGAGGAGCGCAGGCCCTGGAGTGCTACAGCTGCGTGCAGAAAGCAGATGACGGATGCTCCCCGAA
CAAGATGAAGACAGTGAAGTGCGCGCCGGGCGTGGACGTCTGCACCGAGGCCGTGGGGGCGGTGGAGACC
ATCCACGGACAATTCTCGCTGGCAGTGCGGGGTTGCGGTTCGGGACTCCCCGGCAAGAATGACCGCGGCC
TGGATCTTCACGGGCTTCTGGCGTTCATCCAGCTGCAGCAATGCGCTCAGGATCGCTGCAACGCCAAGCT
CAACCTCACCTCGCGGGCGCTCGACCCGGCAGGTAATGAGAGTGCATACCCGCCCAACGGCGTGGAGTGC
TACAGCTGTGTGGGCCTGAGCCGGGAGGCGTGCCAGGGTACATCGCCGCCGGTCGTGAGCTGCTACAACG
CCAGCGATCATGTCTACAAGGGCTGCTTCGACGGCAACGTCACCTTGACGGCAGCTAATGTGACTGTGTC
CTTGCCTGTCCGGGGCTGTGTCCAGGATGAATTCTGCACTCGGGATGGAGTAACAGGCCCAGGGTTCACG
CTCAGTGGCTCCTGTTGCCAGGGGTCCCGCTGTAACTCTGACCTCCGCAACAAGACCTACTTCTCCCCTC
GAATCCCACCCCTTGTCCGGCTGCCCCCTCCAGAGCCCACGACTGTGGCCTCAACCACATCTGTCACCAC
TTCTACCTCGGCCCCAGTGAGACCCACATCCACCACCAAACCCATGCCAGCGCCAACCAGTCAGACTCCG
AGACAGGGAGTAGAACACGAGGCCTCCCGGGATGAGGAGCCCAGGTTGACTGGAGGCGCCGCTGGCCACC
AGGACCGCAGCAATTCAGGGCAGTATCCTGCAAAAGGGGGGCCCCAGCAGCCCCATAATAAAGGCTGTGT
GGCTCCCACAGCTGGATTGGCAGCCCTTCTGTTGGCCGTGGCTGCTGGTGTCCTACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

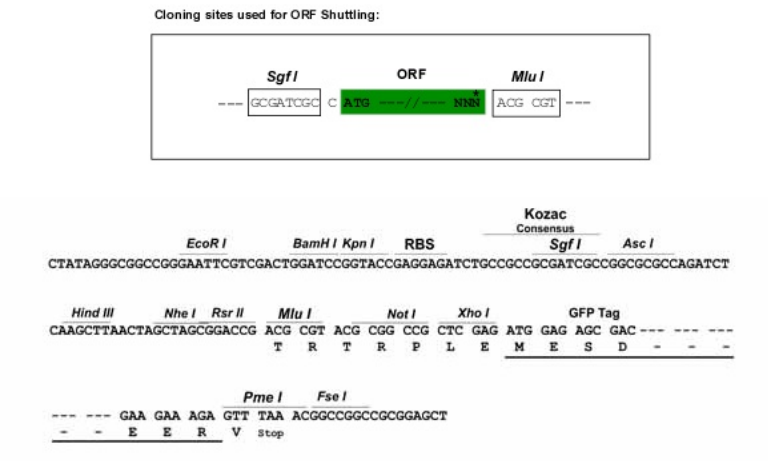
>RG223538 representing NM_014400
Red=Cloning site Green=Tags(s)

MDPARKAGAQAMIWTAGWLLLLLLRGGAQALECYSCVQKADDGCSPNKMKTVKCAPGVDVCTEAVGAVET
IHGQFSLAVRGCGSGLPGKNDRGLDLHGLLAFIQLQQCAQDRCNAKLNLTSRALDPAGNESAYPPNGVEC
YSCVGLSREACQGTSPPVVSCYNASDHVYKGCFDGNVTLTAANVTVSLPVRGCVQDEFCTRDGVTGPGFT
LSGSCCQGSRCNSDLRNKTYFSPRIPPLVRLPPPEPTTVASTTSVTTSTSAPVRPTSTTKPMPAPTSQTP
RQGVEHEASRDEEPRLTGGAAGHQDRSNSGQYPAKGGPQQPHNKGCVAPTAGLAALLLAVAAGVLL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014400

ORF Size: 1038 bp

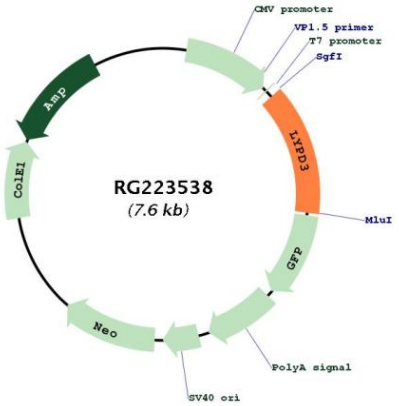
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_014400.3
RefSeq Size:	1698 bp
RefSeq ORF:	1041 bp
Locus ID:	27076
UniProt ID:	O95274
Cytogenetics:	19q13.31
Domains:	LU
Protein Families:	Druggable Genome
Gene Summary:	Supports cell migration. May be involved in urothelial cell-matrix interactions. May be involved in tumor progression.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223538