

Product datasheet for **RG209291**

LYPD5 (NM_001031749) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LYPD5 (NM_001031749) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: LYPD5
Synonyms: PRO4356
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209291 representing NM_001031749
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCTGCCAGCATCTCCTGTCTCATGAGTGCTTTGAGGCTATCCTGTCTCTGGACACCGGGTATC
 GCGCGCCGGTGACCTGGTGCGGAAGGGCTGCTGGACCGGGCTCCTGCGGGCCAGACGCAATCGAACGC
 GGACGCGCTGCCGCCAGACTACTCGGTGGTGCGCGGCTGCACAACTGACAAATGCAACGCCACCTCATG
 ACTCATGACGCCCTCCCAACCTGAGCCAAGCACCCGACCGCCGACGCTCAGCGGCGCCGAGTGCTACG
 CCTGTATCGGGGTCCACCAGGATGACTGCGCTATCGGCAGGTCCCGACGAGTCCAGTGTCACCAGGACCA
 GACCGCCTGCTTCCAGGGCAATGGCAGAATGACAGTTGGCAATTTCTCAGTCCCTGTGTACATCAGAACC
 TGCCACCGGCCCTCCTGCACCACCGAGGGCAGCACCCAGCCCTGGACAGCCATCGACCTCCAGGGCTCCT
 GCTGTGAGGGGTACCTCTGCAACAGGAAATCCATGACCCAGCCCTTCACCAGTGCTTCAGCCACCACCCC
 TCCCGAGCACTACAGGTCTGGCCCTGCTCCTCCAGTCCTCCTGTGTGGGGCTCTCAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209291 representing NM_001031749
 Red=Cloning site Green=Tags(s)

MKLPSISCPHECFEAILSLDTGYRAPVTLVRKGCWTGPPAGQTQSNADALPPDYSVVRGCTTDKCNALHM
 THDALPNLSQAPDPPTLSGAECYACIGVHQDDCAIGRSRRVQCHQDQTACFQGNRMTVGNFVSPVYIRT
 CHRPSCTTEGSTSPWTAIDLQSCCEGYLCNRKSMTQPFTSASATTPRALQVLALLLPVLLLVGLSA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001031749

ORF Size: 624 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: [NM_001031749.1](#), [NP_001026919.1](#)

RefSeq Size: 2518 bp

RefSeq ORF: 756 bp

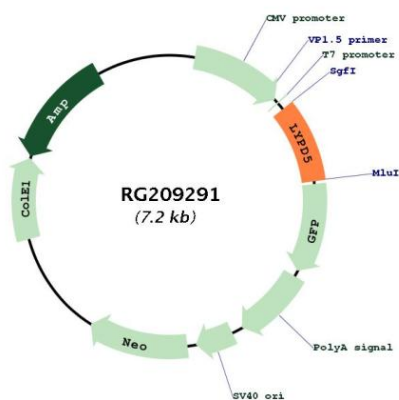
Locus ID: 284348

UniProt ID: Q6UWN5

Cytogenetics: 19q13.31

Protein Families: Druggable Genome

Product images:



Circular map for RG209291