

Product datasheet for **RG214421**

LYPD4 (NM_173506) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYPD4 (NM_173506) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LYPD4
Synonyms:	SMR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214421 representing NM_173506 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACCCAGCATTTGAGACTTGTGCAGCTGTTCTGCCTTCTAGGGGCCATCCCCACTCTGCCTCGGG
CTGGAGCTCTTTGTGCTATGAAGCAACAGCCTCAAGATTCAGAGCTGTTGCTTTCCATAACTGGAAGTG
GCTTCTGATGAGGAACATGGTGTGAAGCTGCAAGAGGGCTGCGAGGAGACGCTAGTGTTCAATTGAGACA
GGGACTGCAAGGGGAGTTGTGGGCTTTAAAGGCTGCAGCTCGTCTTCGTCTTACCCTGCGCAAATCTCCT
ACCTTGTTTCCCCACCCGAGTGTCCATTGCCTCCTACAGTCGCGTCTGCCGGTCTTATCTCTGCAACAA
CCTCACCAATTTGGAGCCTTTTGTGAACTCAAGGCCAGCACTCCTAAGTCTATCACATCTGCGTCTGT
AGCTGCCCGACCTGTGTGGGCGAGCACATGAAGGATTGCCTCCCAAATTTGTCAACCACTAATTCTTGCC
CCTTGGCTGCTTCTACGTGTTACAGTTCACCTTAAAAATTCAGGCAGGGTTTCTCAATACCACCTTCCT
CCTCATGGGGTGTGCTCGTGAACATAACCAGCTTTTAGCAGATTTTCATCATATTGGGAGCATCAAAGTG
ACTGAGGTCCTCAACATCTTAGAGAAGTCTCAGATTGTTGGTGCAGCATCCTCCAGGCAAGATCTTGCTT
GGGTGTCGTCTTAGGCCTCCTGTTGCCTTCAGGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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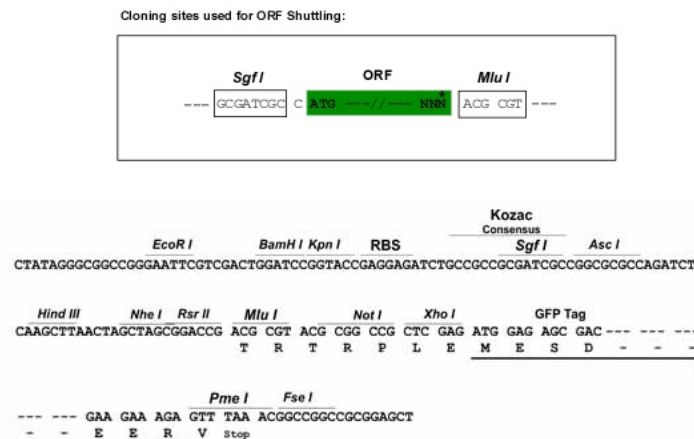
Protein Sequence: >RG214421 representing NM_173506
 Red=Cloning site Green=Tags(s)

MGPQHLRLVQLFCLLGAIPTLPAGALLCYEATSRFRAVAFHNWKLLMRNMVCKLQEGCEETLVFIET
 GTARGVVGFKGCSSSSYPAQISYLVSPPGVSIASYSRVCRLNNLTNLEPFVKLKASTPKSITSASC
 SCPTCVGEHMKDCLPNFVTTNSCLAASTCYSSLKFKQAGFLNTTFLLMGCAREHNQLLADFHHIGSIKV
 TEVLNILEKSQIVGAASSRQDPAGVVLGLLFAFRD

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173506

ORF Size: 738 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_173506.3](#), [NP_775777.2](#)

RefSeq Size: 1837 bp

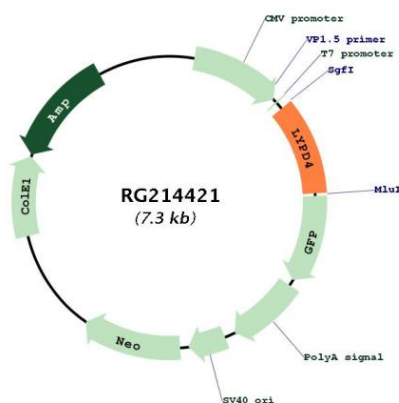
RefSeq ORF: 741 bp

Locus ID: 147719

UniProt ID: [Q6UWN0](#)

Cytogenetics: 19q13.2

Product images:



Circular map for RG214421