

Product datasheet for **RC214421**

LYPD4 (NM_173506) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYPD4 (NM_173506) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LYPD4
Synonyms:	SMR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214421 representing NM_173506 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACCCAGCATTTGAGACTTGTGCAGCTGTTCTGCCTTCTAGGGGCCATCTCCACTCTGCCTCGGG
CTGGAGCTCTTTGTGCTATGAAGCAACAGCCTCAAGATTCAGAGCTGTTGCTTTCCATAACTGGAAGTG
GCTTCTGATGAGGAACATGGTGTGAAGCTGCAAGAGGGCTGCGAGGAGACGCTAGTGTTCAATTGAGACA
GGGACTGCAAGGGGAGTTGTGGCTTTAAAGGCTGCAGCTCGTCTTCGTCTTACCCTGCGCAAATCTCCT
ACCTTGTTTCCCCACCCGAGTGTCCATTGCCTCCTACAGTCGCGTCTGCCGGTCTTATCTCTGCAACAA
CCTCACCAATTTGGAGCCTTTTGTGAACTCAAGGCCAGCACTCCTAAGTCTATCACATCTGCGTCCTGT
AGCTGCCCGACCTGTGTGGGCGAGCACATGAAGGATTGCCTCCCAAATTTGTCAACCACTAATTCTTGCC
CCTTGGCTGCTTCTACGTGTTACAGTTCACCTTAAATTTAGGCAGGGTTTCTCAATACCACCTTCCT
CCTCATGGGGTGTGCTCGTGAACATAACCAGCTTTTAGCAGATTTTCATCATATTGGGAGCATCAAAGTG
ACTGAGGTCTCAACATCTTAGAGAAGTCTCAGATTGTTGGTGCAGCATCCTCCAGGCAAGATCTTGCTT
GGGGTGTGCTTAGGCCTCCTGTTGCCTTCAGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC214421 representing NM_173506
 Red=Cloning site Green=Tags(s)

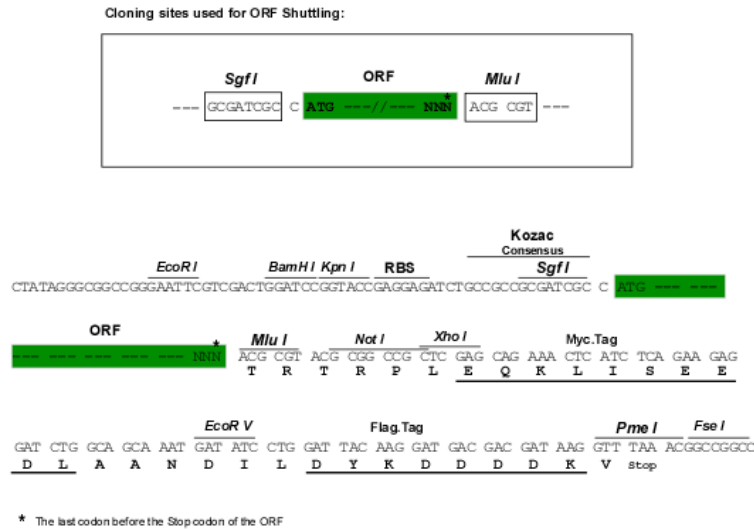
MGPQHLRLVQLFCLLGAISTLPAGALLCYEATSRFRAVAFHNWKLLMRNMVCKLQEGCEETLVFIET
 GTARGVVGFGKGCSSSSYPAQISYLVSPPGVSIASYSRVCRSYLCNNLTNLEPFVKLKASTPKSITSASC
 SCPTCVGEHMKDCLPNFVTTNSCPLAASTCYSSTLKFKQAGFLNTTFLLMGCAREHNQLLADFHHIGSIKV
 TEVLNILEKSQIVGAASSRQDPAGVVLGLLFAFRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8031_a04.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_173506.4

RefSeq Size: 1837 bp

RefSeq ORF: 741 bp

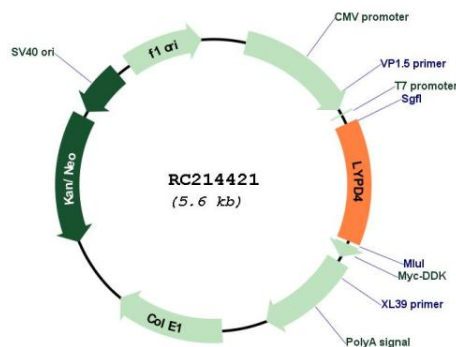
Locus ID: 147719

UniProt ID: Q6UWN0

Cytogenetics: 19q13.2

MW: 26.6 kDa

Product images:



Circular map for RC214421