

Product datasheet for **RC229616**

ZFYVE28 (NM_001172660) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZFYVE28 (NM_001172660) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZFYVE28
Synonyms: Ist-2; LST2; LYST2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC229616 representing NM_001172660
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGAGTGCATCCCCAGGACCGCGCCCCAGAGATTTCTGCGTCAAGTTCCTGAGGAGATCCGGC
 ACGACAACCTGGCCGCCAGCTGTGGTTCGGTGCCGAGTGCCTGGCCGCCGGCTCCATCATCATGAACCG
 GGAGCTGGAGAGCATGGCCATGCGCCCGCTGGCCAAGGAGCTGACGCGCAGCCTGGAGGACGTGCGGGGC
 GCCCTCCGTGACCAGGCGCTGCGGGACCTGAACACCTACACAGAGAAGATGAGGGAAGCGCTGAGGCACT
 TCGACGTCCTGTTTCGAGAGTTTGTGCTCAGCTACGTCTCGGCCATGGTGCCTGTGAAGTCCCCAGGGA
 GTACTACGTGCAGCAGGAGGTATCGTGTCTTCTGCGAGACGGTGGAGAGGGCCCTGGACTTCGGGTAC
 CTGACTCAGGACATGATTGATGACTACGAGCCGGCCCTCATGTTGAGCATCCCCAGGCTGCCATCGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229616 representing NM_001172660
 Red=Cloning site Green=Tags(s)

MDECIPQDRAPRDFCVKFPEEIRHDNLQWFGAECLAAGSIIMNRELSMAMRPLAKELTRSLEDVRG
 ALRDQALRDLNTYTEKMREALRHFDVLF AEFELSYVSAMVPVKS PREYVQEVIVLFCETVERALDFGY
 LTQDMIDDYEPALMFSIPRLAIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001172660

ORF Size: 489 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_001172660.2](#)

RefSeq ORF: 492 bp

Locus ID: 57732

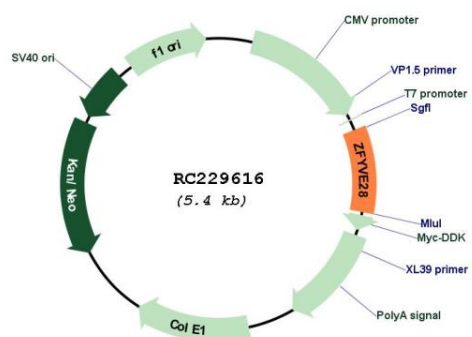
UniProt ID: [Q9HCC9](#)

Cytogenetics: 4p16.3

MW: 19.4 kDa

Gene Summary: Negative regulator of epidermal growth factor receptor (EGFR) signaling. Acts by promoting EGFR degradation in endosomes when not monoubiquitinated.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC229616