

Product datasheet for **SC328472**

ZFYVE28 (NM_001172657) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ZFYVE28
Synonyms:	lst-2; LST2; LYST2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328472 representing NM_001172657. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGAACAGGTTCCGAAAGTGGCTCTACAAACCAAGAGGTCCGATCCGACGCTGCTTGCCCGGTTT
TACTATGCCGACGAGGAGCTGAACAGGTGGCCGCGGAGCTGGACAGCCTGGATGGGCGGAAGGACCCC
CAGCGGTGCACGCTGCTGGTCAGCCAGTTCCGCTCCTGTGAGGACAATGTGTTGAACATCATTAAACCAG
ATCATGGATGAGTGCATCCCCAGGACCGGCCCCAGAGATTTCTGCGTCAAGTTCCTGAGGAGATC
CGGCACGACAACCTGGCCGCCAGCTGTGGTTCGGTGCCGAGTGCCTGGCCGCCGCTCCATCATCATG
AACCAGGAGCTGGAGAGCATGGCCATGCGCCCGCTGGCCAAGGAGCTGACGCGCAGCCTGGAGGACGTG
CGGGGCGCCCTCCGTGACCAGGCGCTGCGGGACCTGAACACCTACACAGAGAAGATGAGGGAAGCGCTG
AGGCACTTCGACGTCCTGTTTCGAGAGTTTGTGCTCAGCTACGCTCTCGGCCATGGTGCCTGTGAAGTCC
CCCAGGAGTACTACGTGCAGCAGGAGGTATCGTGTCTTCTGCGAGACGGTGGAGAGGCCCTGGAC
TTCCGGTACCTGACTCAGGACATGATTGATGACTACGAGCCGCCCTCATGTTGAGCATCCCCAGGCTG
GCCATCGTGTGCCCTCCTTCCAGCCCATCCCAGAACAGTGCAGGAGCCACCGCCACGTGGCCTGC
AGGATGGTTGCCGATCCTCTTCAGGGGCCCTCACCCATCCACCTGTGTCAAAACAAGGTGTCTCTCT
GCCCTGCTCAGACCCTTGCCGAGCTCCACCGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001172657
Insert Size:	864 bp



OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001172657.1
RefSeq Size:	1833 bp
RefSeq ORF:	864 bp
Locus ID:	57732
UniProt ID:	Q9HCC9
Cytogenetics:	4p16.3
MW:	32.7 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] Transcript Variant: This variant (4) represents use of an alternate promoter and 5' UTR, uses an upstream start codon, and uses an alternate 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (4) has a longer N-terminus and a shorter and distinct C-terminus, compared to isoform 1.