

Product datasheet for **SC329185**

ZFYVE28 (NM_001172656) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE28 (NM_001172656) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFYVE28
Synonyms:	Ist-2; LST2; LYST2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_001172656, the custom clone sequence may differ by one or more nucleotides <pre> ATGATGAACAGGTTCCGAAAGTGGCTCTACAAACCCAAGAGGTCGGATCCGCAGCTGCTT GCCCCGTTCTACTATGCCGACGAGGAGCTGAACCAGGTGGCCGCGGAGCTGGACAGCCTG GATGGGCGGAAGGACCCCGAGGTGCACGCTGCTGGTCAGCCAGTTCGCTCCTGTCTAG GACAATGTGTTGAACATCATTAAACCAGATCATGGATGAGTGCATCCCCAGGACCGCGCC CCCAGAGATTTCTGCGTCAAGTTCCTGAGGAGATCCGGCAGCACAACCTGGCCGCGCCAG CTGTGGTTCGGTGCCGAGTGCCTGGCCGCGGCTCCATCATCATGAACCGGGAGCTGGAG AGCATGGCCATGCGCCCCGCTGGCCAAGGAGCTGACGCGCAGCCTGGAGGACGTGCGGGGC GCCCTCCGTGACCAGGCGCTGCGGGACCTGAACACCTACACAGAGAAGATGAGGGAAGCG CTGAGGCACTTCGACGTCTGTTTCGACAGTTCGAGCTCAGCTACGTCTCGGCCATGGTG CCTGTGAAGTCCCCAGGGAGTACTACGTGCAGCAGGAGGTATCGTGCTCTTCTGCGAG ACGGTGGAGAGTGGCCTCGTGGTCTATGCGGACGGACCTCTGAACCTGGACCGCAAGGTG GAAGACATGTCCGAGCTGTTCCGGCCCTCCACACGTTGCTGCGGAAAATAAGGGATTTG CTGCAGACGCTGACGGAGGAGGAGCTGCACACGCTGGAACGGAACCTCTGCATTTCCCAA GACGTGGAGTTCCCCATCCGCGCAGACGTGCAGGACCCGCTGCCCTGGCGCCTGCCCTC TCTGCCCTCTCCCCCTGAGGGGCCACTCTCAGCTAAGGCCAAAGACCCGGATGCAGAG CTGGCCTGCTCCATGCAGTACGACGACAGGAGCTGGAGCAGCTCAGCCGCATGGTCCAC AGGGCGGGGGACGAGATGCTCTTTGCTTTACCGCCCATTTGCCCTGCCAGTCCCCAGCT CACAGGCCAGGAGCGGAGGGCAGCCAGGCGGGGAGGCCCTCTCCAGGTAGACCGCGCCTG CGGTACGGCAGTGACGAGGAGGAGCGCGTGTCTTTCATGGATGACGTGGAGGGGACGGCA GAAGCCCTGGCCAGGCCGAGTCCCCAGCTGGCCCATTTGGGTGGGACAGCAGTACCTGG GCCGACCCCAAGGAGAAAGGGCAGGGTGGGCCAGGCGGAGCGGCGGGGATCAGCTTGCCC GCCTCGGAAAAGGAGGAGGACTTGAGCAACAACAATCTCAGGGCCGAGGGCACAGATGGG GCCAGCCTCGCGGGCACCAGCTCCTGCAGCTGCCTGGAAGTGCAGGCTGCACCTGGACGGC TGGGAGGTGGGTGCGGATGACGACAGAGCGGCTGAGATGATCGCCACCGGACAGGGGGC ATGAAGCTCTCAGCCACGGTCATCTTCAACCCCAATCGCCCACTTCCCTGGACTCTGCG GTGCGCCACCCAGGAGGCCGCTCGGAGCCCGTGGCCGAGGGGATGGATGGCGGCCCCAC AAGCTTAGCACTGGGGCCACCAACTGCCTTCTGCATTCTGCGTGTGCTGTGGGAGCTGC GGGACAGCAGGAGGAGCTGGTGGAGCGTCTGCGGAGAAAGTGCAGCCCGGAGGCGTC ATTGGTGCCTCGTACGCTGCCGGCTTAGCCAAGGCCAGCGACAGGCCCCCTGAGAGACAG GAGGAGGCGCCCCACCTCAGAAGATGCCTCCACGGGCGGGAGCCCAAGCCCCCACT TCCGACAAGTGCCTGCCTCACACCTCAGGTTCCAGGTGGACACAGCGAGTGGGTGCAA GGAGAGGCTGGGGTTGACGGTCAGCAGGAGCCAGAGGCCAGAGAGCTGCATGCTGGGAGC CCCTCGGCTCAGAGGCGCTCAGGCCCTGTGGGCTCCAGCAGCTCCACAGCTGGGTCC TGCTCCTCAGACAAGATGGGGCCAGAGGCGGCCCCAGCAGCCACGCATGCTGCCCCACAG GCCACAAGAGAGAAGATCCGGTCCAGGTTCCACGGCAGCCACGACCTCATCCACCGCCTG TTCGTCTGCATTTCAGGTGTGGCTGACCAGCTGCAGACGAACTATGCCAGTGACCTGAGA AGTATTCTTAAACACTGTTTGAGGTCTAGGCCACCAAGCCTGAAACAGACGACAAGGAA AAGTTAAGGAAGGTCACCCAGACTCTGCGGAGTGCAGGCTTGGAGGACTGTGCACTGTGC CAGGAGACCTGTCTCCTCTGAACTGGCAGCCAAGACCCGCGATGGGGACTTTGAAGAC CCCCGGAGTGGGTGCCAGACGAGGCTGTGGCTTCTGCACGGCGTGAAAGCACCCCTTC ACCGTCATCCGCCGAAGCACCACTGCCGAGCTGTGGGAAGATCTTCTGCTCGCGCTGC TCCTCGCACTCAGCACCGCTGCCCGCTACGGGAGGTGAAGCCGGTCCGAGTGTGCACC CACTGCTACATGTTCCATGTCACGCCCTTCTACAGCGACAAGCCGGCCTGTGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001172656

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.
RefSeq:	<u>NM_001172656.1, NP_001166127.1</u>
RefSeq Size:	4038 bp
RefSeq ORF:	2574 bp
Locus ID:	57732
UniProt ID:	<u>Q9HCC9</u>
Cytogenetics:	4p16.3
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 (3) represents use of an alternate promoter and 5' UTR, uses an upstream start codon, and lacks an alternate in-frame exon, compared to variant 1. The resulting isoform (3) has a longer N-terminus and lacks an internal segment, compared to isoform 1.