

Product datasheet for **RN201487**

Zfyve21 (NM_001108725) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfyve21 (NM_001108725) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Zfyve21
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201487 representing NM_001108725 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCTCGGGGGTGGCCGCGCTTGCAGCCCAAGAAGCTTGTGCGCTCGCCAGTGGCCTGCGCATGG
TGCCGGAGCACCGCCCTTCGGAAGCCCTTCGGCTTGGAGGAACCGCAGTGGTTCGGACAAGGAGTG
TCCAAGATGTATGCAGTGTGATGCCAAGTTTGACTTTATCACCAGAAAGCATCACTGCCGCGCTGTGGG
AAATGCTTCTGCGACAGGTGTTGCAGCCAGAAGTGCCACTTCGGCGCATGTGCTTCGTGGACCCAGTGC
GTCAGTGCCTGACTGTGCCCTGGTGTCCATCGAGAGGCTGAGTTCTATGACAAGCAGCTTAAGGTGCT
TGTAAGCGGAGCTACCTCCTTGTACTTTGGGACTCAGAGAAGCCTGAGACCATGGTTTGTGCTCTT
TCCAACAACCAGAGATGCTTGATTCTGGATGGAGACAGCCATCATGAAATTGAGATTGCACATGTGTGA
CTGTCCAGATTCTCACAGAAGGCTTCACTCCTGGAGCAGGCAGCACTCGAGCCACAGGCATGTTCTGCA
GTACACAGTGCCAGGGGAGAGGCTGCAGCACAGCTGAGGCTGATGGCTGGAGAAGACGCAAGCGGCAGC
AAGAGGCAGGCGGCAGCATGGCTGGCAGCCATGCACAAGGTTGGCTGCAGCGTCTCAAGCTTCCAAGT
GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001108725
Insert Size:	702 bp



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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).
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:	<ol style="list-style-type: none">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_001108725.1</u> , <u>NP_001102195.1</u>
RefSeq Size:	958 bp
RefSeq ORF:	702 bp
Locus ID:	362789
Cytogenetics:	6q32
Gene Summary:	Plays a role in cell adhesion, and thereby in cell motility which requires repeated formation and disassembly of focal adhesions. Regulates microtubule-induced PTK2/FAK1 dephosphorylation, an event important for focal adhesion disassembly, as well as integrin beta-1/ITGB1 cell surface expression (By similarity).[UniProtKB/Swiss-Prot Function]