

Product datasheet for RN205946

Fuz (NM_001037646) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fuz (NM_001037646) Rat Untagged Clone
Tag: Tag Free
Symbol: Fuz
Synonyms: RGD1310608
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN205946 representing NM_001037646
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGGATGACGGGCCAGGAAGCACGGTGCATCTGCTGTGCCTCGCAGCCTCTAGCGGGTTCCCTGT
 TCTGTCCGAGCAGCAGCGGAGGCCCCCTCCCGTCAACAGCTCCCTTTTCTGTCATCGGGTCCCTCAA
 TGGAGTCCACATGTTCCGCCAGAATCTGGATGTGCAACTGAACTCCGCAAGAACAGAAGACACCACCGTA
 GTGTGGAAGAACTCCATGACAGCATCACCTCATTGCTCTGTCATCTGAGGAGGGCACCTCTGAGCTGA
 AGCTGGAAGAATGCTCCACATGGTGTGGGGCCATGGTTCTCATTGTGGGACTTGAGGAGCTGACCAA
 TATCCGGAATGTAGAGAGACTGAAGAAAGAGCTGAGGGCCAGCTACTGTCTCATTGACAGCTTCTGGGG
 AATTCAGAGCTCATCGGGGACCTGACCCAGTGTGTGGACTGTGTCATTCTCCAGAGGGGTCTGTCATGC
 AGGTCCCCCATCGGTTGTTGACCTTGACTCTGCTGCGGGGCTGGAGCTGTGTCTGCTCTGCGGGCCGCG
 CCCGCCCTCGGTGAGCTGGACCCACAGTTGCTGGAACGCTGGTGGCAGCCTCTGCTGGAGCCCCTCCGG
 GCTTGCTGCCACTGGGCCCTAGGGCGCTCCCTGACGGTTCCCGCTACACAGCGATATTCTTGGCTGT
 TGTTACTCCACTTGAAGTGAAGCTGCTCCTTTACCGTGGAGCCCTCAAAGGATAAAGAGCCTTCCCC
 TGAGCAACGCAGGCGCTCCTTAGAAATTTCTATACGTTGGTGGCCACCACCCACTTCCCACCAGAACC
 GGGCCAGCAGAAACAAGAAGATACAGTCCACCCAGCCAGACCCAGGGCTGCTATCTTGTGCTAG
 GGCCAGGCATGGGGTGGCAGCTGGTGGCTGTGCAGCTAGGGCTACGGCTGCTGCTGTTGATGCTGTCCCC
 GCAGACTCCCACCCATGGGCTGAGAAGCCTGGCCACCCACACTCTACAAGCCCTACCCCGCTCCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001037646
Insert Size:	1050 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).
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_001037646.1</u> , <u>NP_001032735.1</u>
RefSeq Size:	1480 bp
RefSeq ORF:	1050 bp
Locus ID:	308577
UniProt ID:	<u>Q3B756</u>
Cytogenetics:	1q22
Gene Summary:	Probable planar cell polarity effector involved in cilium biogenesis. Proposed to function as core component of the CPLANE (ciliogenesis and planar polarity effectors) complex involved in the recruitment of peripheral IFT-A proteins to basal bodies. May regulate protein and membrane transport to the cilium. May regulate the morphogenesis of hair follicles which depends on functional primary cilia (By similarity).[UniProtKB/Swiss-Prot Function]