

Product datasheet for MR223378

Fuz (NM_027376) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fuz (NM_027376) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fuz
Synonyms:	2600013E07Rik; b2b1273Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223378 representing NM_027376 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGATGAGGGGCCGGAAGCCCGGTGCATCTGCTGTGCCTCGCAGCCTCTAGCGGGTTCCCTGT
TTTGTCCGAGTAGCAGCGCGGCCCCCTCCCGTCAACAGCTTCCTTTCTGTCATCGGCTCTCTCAA
TGGAGTCCACATGTTCCGCCAGAATCTGGATGTGCAACTGAAGCTGCAAGAACGGAAGACACAACCGTA
GTGTGGAAGAAGTCCATGACAGTACTCTCATTGTTCTGTCATCTGAGGAGGACACCTGAGCTGA
GGCTGGAAGAAGTCTCCACATGGTGTGGGGCCATGGTCTCATTGTGGGACTTGAGGAGCTGACCAA
TATCCGGAATGTAGAAAGACTGAAGAAAGAATTGAGGGCCAGCTACTGTCTCATGACAGCTTCCTGGGG
AACTCAGAACTCATCGGAGACCTGACCCAGTGTGTGGACTGTGTCATTCTCCAGAGGGGTCTGCCATGC
AGGAAACCTTTTCAGGGTTTGCAGAGGCCACTGGCACAGCCTTTGTGAGCCTGCTTGTATCAGGCCGAGT
GGTGGCAGCGACAGAGGGCTGGTGGCGCTAGGCATGCCTGAAGCTGTAATACTCCCTGGCTGGTGGGG
TCCTTGCCACCACAAGCTGCTCGAGACTACCCGGTGTATCTGCCACGGGAGCCCCACGGTCCCACACA
GGTTGTTGACCTTGACGCTGCTGCGTGGCTGGAGCTGTGCTGCTGTGCGGGCCGCGCCCGCCCTTG
CCAGCTGGACCCACAGTTAATGGAACGCTGGTGGCAGCCTCTACTGGAGCCCTCCGGGCTGCCCTGCCA
CTGGGCCCTAGGGCGCTACCCGAAGGTTCCCACTACACAGCATATTCTGGTGTGTTACTCCACT
TGGAACTGCGACGCTGCCTCTTTACTGTGGAGCCCTCCAAGGATAAAGAGCCTTCCCTGAGCAGCGCAG
GCGCCTCCTTAGAACTTCTACACGCTGGTGGCCACCACCCACTTCCCGCAGAACCAGGCGCTGCAGAG
AAACAAGAGGACACAGTCTACCCAGCCAGATGCCAGAGCCTGTATCTCGTGCTAGGGCCAGGCATGG
GGTGGCAGCTGGTGGCTGTGCAACTAGGGCTCCGGCTGCTACTATTGCTGCTCTCCCTCACACCCCCAC
CCACGGGCTGCGAAGCCTAGCCACCCGCACTCTGCAAGCCCTCACCCCGTCTCT

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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: [NM_027376.3](#), [NP_081652.2](#)

RefSeq Size: 1715 bp

RefSeq ORF: 1248 bp

Locus ID: 70300

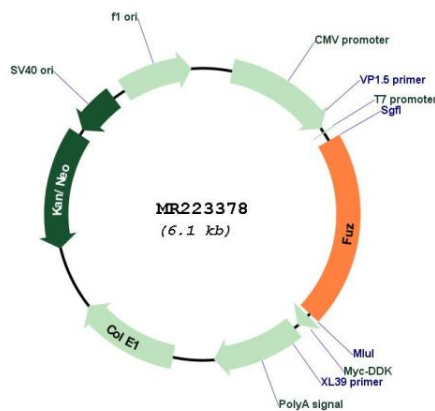
UniProt ID: [Q3UYI6](#)

Cytogenetics: 7 28.99 cM

MW: 46 kDa

Gene Summary: Probable planar cell polarity effector involved in cilium biogenesis. May regulate protein and membrane transport to the cilium. 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 (PubMed:19877275, PubMed:19767740, PubMed:27158779). May regulate the morphogenesis of hair follicles which depends on functional primary cilia (PubMed:20962855).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223378