

Product datasheet for RC229956

ZFYVE27 (NM_001174119) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE27 (NM_001174119) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZFYVE27
Synonyms:	PROTRUDIN; SPG33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229956 representing NM_001174119 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGACATCAGAACGTGAGGGGAGTGGGCCGGAGCTGAGCCCCAGCGTGATGCCCGAGGCTCCCCTGG
AGTCTCCACCTTTTCTACCAAGTCCCCAGCGTTTGACCTTTTCAACTTGGTTCTCTCTACAAGAGGCT
GGAGATCTACCTGGAACCTTGAAGGATGCAGGTGCATGGTACTCAGTAGGTGCCCTGATGATTTTCAGTG
CCCGCCCTGCTGGGCTACCTTCAGGAGGTTTGGCCGGCACGGCTGCCTGATTCGAGCTGATGCGGAGGA
AGTATCATAGCGTGAGGCAGGAGGACCTGCAGAGAGGTGCCTGTCTCGTCCCGAGGCCGTGGCTGAGGT
GAAGAGCTTCTTGATCCAGCTGGAGGCCTTCTGAGCCGCTGTGCTGCACATGTGAAGCCGCTACCGC
GTGCTGCACTGGGAGAACCCCGTCTGTCTCACAGTTCTATGGGGCTCTTCTGGGCACAGTCTGCATGC
TGATTTTGTGCTGCACTCTGCTGGGTTCTCACCCCTTTAAACAGCACGCTCTTTCTGGGGAATGTGGAGTT
CTTCCGAGTTGTGTCTGAGTACAGGGCATCTCTGCAGCAGAGGATGAACCCAAAGCAGGAAGAGCATGCC
TTTGAGAGTCTCCACCACAGATGTTGGGGGGAAGGATGGTCTGATGGACAGCACGCTGCCCTCACAC
CCACGGAGGACCTCACACGGGCAGCGTGGAGGAGGCTGAGGAGGCTGAGCCAGATGAAGAGTTTAAAGA
TGCGATTGAGGAGGATGATGAGGGCGCCCGTGGCCAGCAGAGGATGAGCTGGCCCTGCAGGACAACGGG
TTCTGAGCAAGAATGAGGTGCTGCGCAGCAAGGTGCTCGGCTCACGGAGCGGCTCCGCAAGCGTACC
CCACCAACAACCTTCGGGAACGACGGGCTGCTCGGCCACCTTCTCAGTGCTGAAGAAGAGGCGGAGCTG
CAGTAATTGTGGAAACAGCTTCTGCTCTCGATGTGCTCCTTCAAGGTGCCAAAGTCTCCATGGGGGCC
ACAGCCCCGTAAGCCAGAGGGAGACTGTGTTGTGTGCTCGTGTGTAACCAGACCTTGAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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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_001174119.1](#), [NP_001167590.1](#)

RefSeq ORF: 1119 bp

Locus ID: 118813

UniProt ID: [Q5T4F4](#)

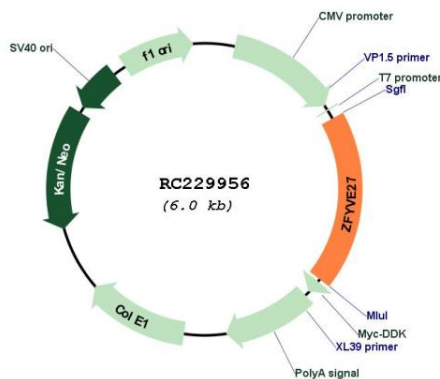
Cytogenetics: 10q24.2

Protein Families: Transmembrane

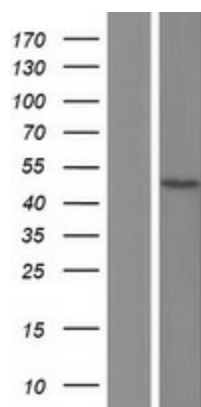
MW: 41.9 kDa

Gene Summary: This gene encodes a protein with several transmembrane domains, a Rab11-binding domain and a lipid-binding FYVE finger domain. The encoded protein appears to promote neurite formation. A mutation in this gene has been reported to be associated with hereditary spastic paraplegia, however the pathogenicity of the mutation, which may simply represent a polymorphism, is unclear. [provided by RefSeq, Mar 2010]

Product images:



Circular map for RC229956



Western blot validation of overexpression lysate (Cat# [LY432956]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229956 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).