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Product datasheet for RC239610

ZFYVE16 (NM_001284237) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFYVE16 (NM_001284237) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZFYVE16
Synonyms:	PPP1R69
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

ORF Nucleotide Sequence:

>RC239610 representing NM_001284237
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAGTTATTTTAAAGCAGCTGTCAGTGACTTGGACAAACTCCTTGATGATTTTGAACAGAACCCAG
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Protein Sequence:

>RC239610 representing NM_001284237
Red=Cloning site Green=Tags(s)

MDSYFKAAVSDLDKLLDDFEQNPDEQDYLQDVQNAYDSNHCSVSSELASSQRTSLLPKDQECVNSCASSE
TSYGTNESSLNEKTLKGLTSIQNEKNVTGLDLLSSVDGGTSDEIQPLYMGRCSKPICDLISDMGNLVHAT
NSEEDIKKLLPDDFKSNADSLIGLDLSSVSDTPCVSSTDHDSDTVREQQNDISSELQNREIGGIKELGIK
VDTTLSDSYNYSGTENLKDKKIFNQLESIVDFNMSSALTRQSSKMFHAKDKLQHKSQPCGLLKDVGLVKE
EVDVAVITAAECLKEEGKTSALTCSLPKNEDLCLNDSNSRDENFKLPDFSFQEDKTVIKQSAQEDSKSLD
LKDNDVIQDSSSALHVSSKDVPSSLSCLPASGSMCGSLIESKARGDFLPQHEHKDNIQDAVTIHEEIQNS
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ESSDCCEGFINTFSSNDMDGQDLDYFNIDEGAKSGPLISDAELDAFLTEQYLQTTNIKSFEENVNDSKSQ
MNQIDMKGLDDGNINNIYFNAEAGAIGESHGINIICETVDKQNTIENGLSLGEKSTIPVQQGLPTSKSEI
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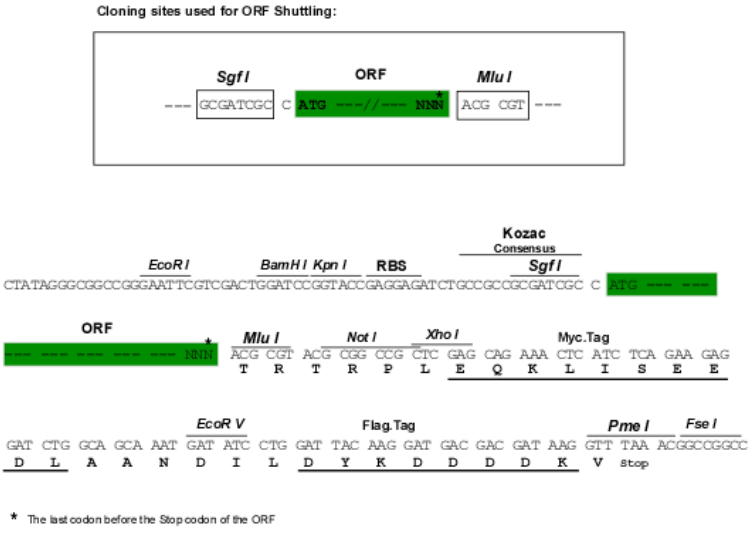
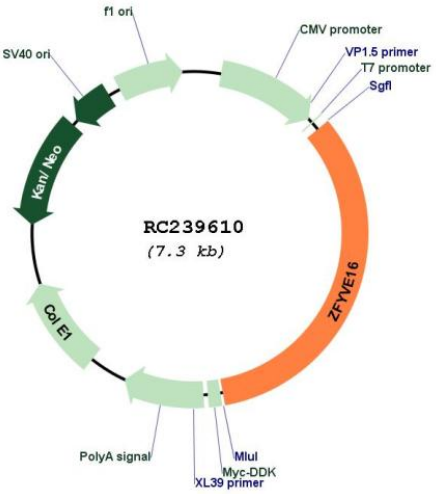
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001284237
ORF Size:	2427 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001284237.1, NP_001271166.1
RefSeq Size:	2972 bp
RefSeq ORF:	2430 bp
Locus ID:	9765
UniProt ID:	Q7Z3T8
Cytogenetics:	5q14.1

Protein Pathways:	TGF-beta signaling pathway
MW:	88.9 kDa
Gene Summary:	This gene encodes an endosomal protein that belongs to the FYVE zinc finger family of proteins. The encoded protein is thought to regulate membrane trafficking in the endosome. This protein functions as a scaffold protein in the transforming growth factor-beta signaling pathway and is involved in positive and negative feedback regulation of the bone morphogenetic protein signaling pathway. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]