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Product datasheet for SC324949

Parvin gamma (PARVG) (NM_001137605) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parvin gamma (PARVG) (NM_001137605) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARVG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324949 representing NM_001137605. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGAGCCGGAGTTCTTGTACGACCTGCTGCAGCTCCCCAAGGGGGTGGAGCCCCCAGCGGAGGAGGAG CTCTCAAAAGGAGGAAAGAAGAAATACCTGCCACCCACTTCCCGGAAGGACCCCAAATTTGAAGAACTG CAGAAGGTGTTGATGGAGTGGATCAATGCCACTCTTCTCCCCGAGCACATTGTGGTCCGCAGCCTGGAG GAGGACATGTTCGACGGGCTCATCCTACACCACCTATTCCAGAGGCTGGCGGCGCTCAAGCTGGAAGCA GAGGACATCGCCCTGACAGCCACAAGCCAGAAGCACAAGCTCACAGTGGTGCTGGAGGCCGTGAACCGG AGTCTGCAGCTGGAGGAGTGGCAGGCCAAGTGGAGCGTGGAGAGCATCTTCAACAAGGACCTGTTGTCT ACCCTGCACCTCCTTGTGGCCCTGGCCAAGCGCTTCCAGCCCGACCTCTCCCTCCCAACCAACGTCCAG GTGGAGGTCATCACTATCGAGAGCACCAAAAGTGGTCTGAAGTCAGAGAAGTTGGTGGAACAGCTCACT GAATACAGCACAGACAAGGACGAGCCTCCAAAGGACGTCTTTGATGAATTATTTAAGCTGGCTCCGGAG AAAGTGAACGCAGTGAAAGAGGCCATCGTGAACTTTGTCAACCAGAAGCTGGACCGCCTGGGCCTGTCT GTGCAGAATCTGGACACCCAGTTTGCAGATGGGGTCATCTTACTCTTGCTGATTGGACAACTTGAAGGC TTCTTCCTGCACTTAAAGGAATTCTACCTCACTCCCAACTCTCCTGCAGAAATGCTGCACAACGTCACC CTGGCGCTGGAGCTGCTGAAGGACGAGGGCCTGCTCAGCTGCCCTGTCAGCCCTGAAGATATCGTGAAC AAGGATGCCAAGAGCACACTGAGGGTGCTCTATGGTCTGTTCTGCAAGCACACGCAGAAGGCACACAGG GACAGGACGCCCCATGGAGCCCCGAATTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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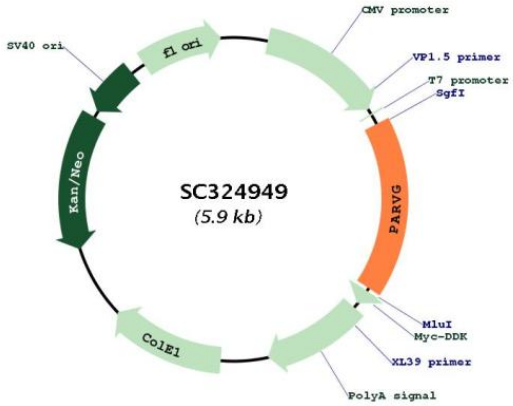
Plasmid Map:



ACCN:	NM_001137605
Insert Size:	996 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001137605.2
RefSeq Size:	3475 bp
RefSeq ORF:	996 bp

Locus ID:	64098
UniProt ID:	Q9HBI0
Cytogenetics:	22q13.31
Protein Pathways:	Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton, Tight junction, Vibrio cholerae infection, Viral myocarditis
MW:	37.5 kDa
Gene Summary:	Members of the parvin family, including PARVG, are actin-binding proteins associated with focal contacts.[supplied by OMIM, Aug 2004] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. This variant lacks full-length support and thus it has an inferred exon combination; the alternate 5' exon, which extends the gene range, is well-supported by partial transcript data. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.