

Product datasheet for RR215143

Psd (NM_134370) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psd (NM_134370) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psd
Synonyms:	EFA6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR215143 representing NM_134370 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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CAGGGGCACAGAGTTCTGTGGTCATCTCCGTTTCGTGGAGAAGGCCAGTGTGAGGCCACTGAATGGCCT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGTTTAA

Protein Sequence:

>RR215143 representing NM_134370
 Red=Cloning site Green=Tags(s)

MAQGAMRFCEGDCAI SPPRCPRRWL PEGPVPQSPASMYGSTGSL IRRVVGPGPRGRDLGRVTA PCTPL
 RAPPSPHIA PSWPSSPTGKPPPGAQSSVVI FRFVEKASVRPLNGL PASGGLSRSWDLGGISPSRPTPA
 LGPGCNRKLRLEASTSDPLPAGGGSVLPGRDPSRGL IPPQIGADGLYSSLPNGLGGTPEHLVMHFRGP
 ADTGFLNQDWTSSREVSSHAQRIARAKWEFFYGLDPPSSGAKPPEQALPSHGVSQKQSGVAVGRAAK
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 ADWRVFLFQAPSLEQMSWITRINVAAMF SAPPFPAAVSSQKFSRPLLP SAATRLSQEEQVRTHEAKL
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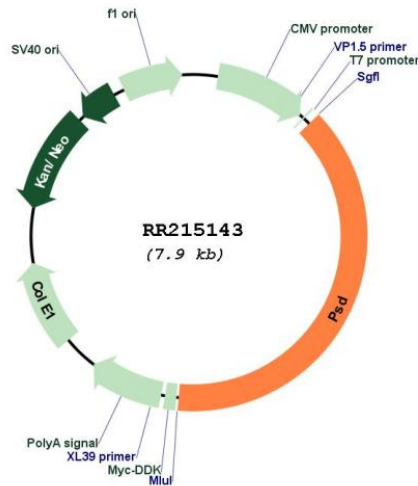
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_134370

ORF Size: 3069 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:	<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_134370.2</u> , <u>NP_599197.2</u>
RefSeq Size:	4007 bp
RefSeq ORF:	3072 bp
Locus ID:	171381
Cytogenetics:	1q54
MW:	109.5 kDa
Gene Summary:	Guanine nucleotide exchange factor for ARF6 (By similarity). Induces cytoskeletal remodeling (By similarity).[UniProtKB/Swiss-Prot Function]