

## Product datasheet for RN215143

### Psd (NM\_134370) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Psd (NM_134370) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Psd
Synonyms:	EFA6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN215143 representing NM_134370 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCCCAGGGTGCCATGCGGTTCTGCTCAGAAGGCGACTGTGCCATCTCCCCACCACGATGCCCTCGTC  
GCTGGCTCCCGGAAGGCCAGTGCCCAAAGTCCCCAGCCAGCATGTATGGCAGCACAGGATCCCTAAT  
ACGACGAGTGGTGGGCCAGTCTCGAGGCCGGGATCTGGGACGTGTGACAGCACCTTGTACCCCTCTG  
CGAGCCCCCTCCCTCACCCATATAGTCCCTCACCTGGGGACCCCTTTCACCCACTGGGAAGCCCCCAC  
CAGGGGCACAGAGTTCTGTGGTCATCTTCCGTTTCGTGGAGAAGGCCAGTGTGAGGCCACTGAATGGCCT  
ACCTGTTCTGGAGGCCCTGAGTCGGAGCTGGGACCTGGGTGGGATTTCTCCCTCCAGGCCACCCAGCC  
CTTGGACCTGGCTGCAACCGGAAGTTGCGGCTAGAAGCGTCCACATCAGACCCACTCCCAGCCGGAGGAG  
GCTCCGTTCTTCTGGCAGCAGGGACCCCTCACGTGGGCCATTGATCCCACCCAGATTGGGGCAGATGG  
CCTTTACTCCTCTCTCCCAATGGGCTGGGGGGGACCCCTGAGCACTTGGTCATGCACTCCGAGGACCT  
GCAGACACCGGATTTCTAAACCAGGGGGACACCTGGTCTCCCGGAAGTCTCCTCTCATGCCAGAGAA  
TCGCTCGAGCCAAGTGGGAATTTCTATGGCTCCTTGGACCCCCAGCTCAGGTGCTAAGCCCCCAGAA  
GCAGGCCCTCCATCACATGGGGTGGGCTCCAAGCAAGGCTCTGGGGTAGCTGTGGGGCAGCAGCCAAG  
TACTCCGAGACAGACCTGGACAAGGTACCCTGAGGTGCTACCGAGAGACTGACATTGACAGGTGCTGG  
CTGAGCGGGAGGAGGCTGACTCCGCCATTGAGAGTCAGCCAGCTCTGAGGGCCCCCTGGCACTACCCA  
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GAGGCAGGTGGTGAAGAGGACGTGGATGATGAGGTGTTTGAGGCCTCAGAGGGGGCCCGCCAGGGGACC  
ACATGCCTCACTTGGGCTCCTCAAGTACCAGTCCCCTTCTACCGGGGACCAGCCCTCAGCGGATGG  
GCCTGACTCTTTCAGTTGTATGTTTGAAGCCATCATGGAGTCGCACCGGGCCAAGGGCACCTCCTATAGT  
AGCCTTGCTCCCTGGAAGCTCTGGCCTCACCTGGCCCAACCCAGAGTCCCTTCTCACCTTTGAGATGC  
CTCCCAACCCAGCTCCCGGCTGACCCACCTGCACCTGCCCACTTGCCCTCTTGAACCGGATTC  
TGGTACCAGCTCTGTTGCTGATGGTCTTGGACCCAAAGGAGAGAGGTAGAAGAGTCAGATGCTGGGGCT  
ACGCTGGCCCCAAGGAAAGAGCTTCTAGTCCCTCCCACTCTGAGGACAGCCTTGGGCTGGGGCAGCAC



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CCCTGGGCAGTGAACCGCCCCTGAGCCAACCTGGTGTCCGACTCAGACTCAGAGCTGGACAGCACAGAGCG
GCTGGCCCTGGGAAGCACAGACACCTTGTCCAATGGACAGAAAGCAGATCTGGAGGCTGCACAGCGCCTA
GCCAAGAGGCTATACCGACTTGTGGCTTCAGGAAGGCCGACGTAGCCCGGCATCTGGGCAAGAACAATG
ACTTCAGCAAATTGGTGGCTGGCGAGTATCTCAAGTTTTTGTCTTCACGGGCATGACCCCTGGATCAAGC
TCTCAGGTGTTTCTAAAGGAGCTGGCTTAAATGGGTGAGACCCAGGAGCGGGAGCGTGTACTGGCCAC
TTCTCCACGGATATTTCCAGTGAATCCTGAAGCCCTGTCTCAGAGGACGGCGCTCACACGCTGACCT
GTGCTCATGCTCCTCAACACGGACCTCCACGGCCACAACATTGGGAAGCGAATGACCTGTGGGGACTT
CATCGGAAACCTGGAGGGCCTCAATGATGGCGGGGACTTCCCAGGGAGCTGCTCAAGGCCTTGTACAGC
TCCATCAAGAATGAAAAGTTGCAATGGGCCATAGACGAGGAGGAACCTTCGGCGATCTCTGTCCGAGTTGG
CCGACCCTAACCCCAAGGTCATCAAGAGGGTCAGCGGAGGCAGCGGCAGCAGCTCCAGCCCTTCTGGA
CCTGACTCCCAGCCTGGGGCAGCTGTCTACAAGCACGGGGCCCTGGTGCAGAAAGGTGCACGCAGACCTT
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TCTACCTGCAGAAGGAGGAGTACCAGCCCGGAAGGCTCTTCCGAGGCAGAGCTGAAGAACGCCATTAG
CATTACCACGCTCTGGCCACCCGCGCCAGCGACTACAGCAAGAGACCACAGTCTTCTACCTGCGCACA
GCCGACTGGAGGGTCTTCTCTTCCAGGCCCGGAGCCTGGAGCAAATGCAGTCTGGATTACTCGCATCA
ATGTGGTGGCTGCCATGTTTTCTGCACCCCTTCCCAGCTGCTGTCAAGTCCCAGAAAGAAATTCAGCCG
TCTCTGTGTCGCCAGCGCTGCCACCCGCTCTCCCAGGAGGAGCAGGTGAGGACTCACGAGGCCAAGCTG
AAGGCCATGGCAAGCGAGCTTCGAGAGCACCGGGCAGCACATCTGGGGAAGAAGGCCGAGGCAAGGAGG
CTGAGGAGCAGAGGCAGAAGGAGACCTACCTGGAGTTTGAGAAATCCCGTATGGCACCTACGCGGCGCT
GCTTCGAGTCAAGATGAAGGCCCGCAGCGAGGAGCTGGATGCCATAGAGGCAGCACTGGCCAGGCTGGG
AGCACGGAGGAAGGATGCCCTCCGCCTCACTCCAGTCTTCCCTGCAGCCCAACCCACAGCCAGCCCG
GGGCTCAGCGTCTGGCTCAGAAGCCCGGGCCGGGCAGGCAGTACAAGGCCAAAGCCCTGA

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**ACGCGT**ACGCGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_134370
- Insert Size:** 3072 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).
- 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\\_134370.2](#), [NP\\_599197.2](#)
- RefSeq Size:** 4007 bp
- RefSeq ORF:** 3072 bp

Locus ID: 171381

Cytogenetics: 1q54

Gene Summary: Guanine nucleotide exchange factor for ARF6 (By similarity). Induces cytoskeletal remodeling (By similarity).[UniProtKB/Swiss-Prot Function]