

Product datasheet for **SC333016**

PSD (NM_001270966) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSD (NM_001270966) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSD
Synonyms:	EFA6; EFA6A; PSD1; TYL
Vector:	pCMV6-Entry (PS100001)



[View online »](#)

Fully Sequenced ORF: >SC333016 representing NM_001270966.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCTCTCAAGTCACCTGTGCCCTTTCTACCTGGGACGAGCCCCTCGGCTGATGGGCTGACTCTTTC
AGTTGTGTGTTTGAAGCCATCCTGGAGTACACCGGGCCAAAGGCACCTCCTATACCAGCCTCGCCTCG
CTGGAGGCCTTGGCCTCACCTGGCCCAACCCAGAGCCCCCTTCTCACCTTTGAGCTGCCTCCCAACCC
CTGCACCCCGGGCCGACCCACCCAGCTCCCGCCCACTTGCCCTCTTGAACCGGATTCTGGTACCAGC
TCTGCTGCTGATGGTCTTGGACACAGAGAGGGAGGAGGAGGCAGAGGCCAGAGCCAAGCTGGCC
CCAGGGAGGGAGCCCCCTAGTCCCTGCCACTCAGAGGACAGCCTTGGGCTGGGGGAGCACCCTTGGC
AGCGAACCACCCCTGAGCCAGCTGGTGTCCGACTCAGACTCAGAGCTGGACAGCACAGAGCGGCTGGCC
CTGGGAAGCACAGACACCTTGTCCAATGGGCAGAAAGCGGACCTGGAGGCTGCGCAGCGCTGGCCAAG
AGGCTGTACCGACTAGATGGCTTCAAGGAGCCGATGTGGCCCGCACCTGGGCAAGAACAATGACTTC
AGCAAAGTGGTGGCTGGGAGTACCTCAAGTCTTTGTCTTACGCGCATGACTCTGGACCAAGCTCTC
AGGGTGTCTTGAAGGAGCTGGCCTTAATGGGTGAGACCCAGGAACGAGAGCGCGTGTGGCCACTTC
TCCAGCGATACTCCAGTGCAATCCTGAAGCCCTGTCTCAGAGGACGGCGCCACACGCTGACCTGT
GGCTCATGCTGCTCAACACGGATCTCCACGGCCATAACATCGGGAAGCGCATGACTGCGGGGACTTC
ATCGGGAACCTGGAGGGCTCAATGATGGCGGCGACTTCCTAGGGAGCTGCTCAAGGCCTGTACAGC
TCCATCAAGAATGAGAAGCTGCAGTGGGCCATAGACGAGGAGGAGCTGAGACGCTCTGTCTGAGTTG
GCCGACCCCAACCCCAAGGTCAAGCGGATCAGCGGGGCGAGTGGCAGTGGCTCCAGCCCTTCTCTG
GACCTGACTCCCAGCCTGGGGCTGCCGTCTACAAGCACGGGGCCCTGGTGCAGAAAGGTGCACGCAGAC
CCTGACTGCAGGAAGACACCTCGGGCAAGCGGGGCTGGAAGAGCTTCCACGGGATCCTCAAGGGCATG
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CGCACAGCTGACTGGCGGGTCTTCTCTTCCAGGCCCGAGCCTGGAGCAGATGCAGTCTGGATCACT
CGCATCAATGTAGTAGCCGCTATGTTCTCTGCGCCCCCTTCCAGCTGCTGTTAGCTCCAAAAGAAG
TTCAGCCGCCCTCTCTGCCAGCGCTGCCACCCGCTCTCCAGGAGGAGCAGGTGCGGACCCACGAG
GCCAAGCTGAAGGCCATGGCAAGTGAAGTGCAGGAGCAGCGGGCCAGCTGGGCAAGAAGGGCCGG
GGCAAGGAGGCTGAAGAGCAGCGGCAGAGGAGGCTACCTGGAGTTTGAAGAAATCCCGTACAGCACC
TATGCAGCGCTGCTTCGGGTCAAGCTGAAGGCAGGCGAGTGAAGGAGCTGGATGCAGTGGAGGCAGCACTG
GCCAGGCGGGAGCACAGAGGATGGACTCCCTCTTCTACTCCAGTCCCTCCCTGCAGCCAAACCC
TCCAGCCAGCCCCGGGCTCAGCGTCACAGCTCAGAGCCTCGGCCAGGGGCAGGAGTGGCGGGCGGAAG
CCCTGA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001270966

Insert Size: 1938 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_001270966.1](#)

RefSeq Size: 3382 bp

RefSeq ORF: 1938 bp

Locus ID: 5662

UniProt ID: [A5PKW4](#)

Cytogenetics: 10q24.32

Protein Pathways: Endocytosis

MW: 70.4 kDa

Gene Summary: This gene encodes a Plekstrin homology and SEC7 domains-containing protein that functions as a guanine nucleotide exchange factor. The encoded protein regulates signal transduction by activating ADP-ribosylation factor 6. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.