

Product datasheet for **SC333015**

PSD (NM_001270965) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSD (NM_001270965) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSD
Synonyms:	EFA6; EFA6A; PSD1; TYL
Vector:	pCMV6-Entry (PS100001)

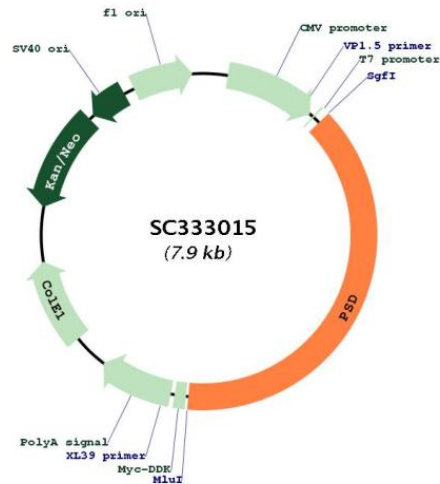


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Fully Sequenced ORF: >SC333015 representing NM_001270965.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCCAGGGTGCCATGCGCTTCTGCTCGGAAGGCGACTGTGCCATCTCCCCACCACGATGCCACGC
 CGCTGGCTCCCCAAGGCCCGGTGCCCCAGAGCCCCCAGCCAGCATGTATGGCAGCACAGGCTCCTTG
 CTACGGCGAGTGGCAGGTCCAGGTCTCGAGGCCGGAACCTGGGACGTGTACAGCACCCCTGTACACCT
 CTGCGTGGCCCCCCTCACCCCGTGTGCTCCCTCACCCCTGGGCACCCTTTACCCACTGGGCAGCCC
 CCACCCGGGGCCAGAGCTCTGTGGTCATCTTCCGCTTTGTGGAGAAGGCCAGTGTGAGGCCACTGAAT
 GGGCTACCTGCTCCAGGGGGCTTGTGAGTCCGAGCTGGGATCTGGGTGGGGTTTCTCCTCCCAGGCCACC
 CCAGCCCTTGGGCTGGCTCCAACCAGGAACTTACGGCTGGAAGCATCCACATCAGACCCACTCCCAGCC
 AGAGGAGGCTCGGCCCTACCTGGCAGCCGGAACCTTGTACATGGGCGCCAGCCCCACCCAGGTTGGA
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 TCTCACTCCAGTCCCTCCCTGCAGCCAAACCCTCCAGCCAGCCCGGGCTCAGCGTACAGCTCAGAG
 CCTCGGCCAGGGCAGGCAAGTGGCGGGCGGAAGCC**TGA**

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001270965

Insert Size: 3075 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_001270965.1](#)

RefSeq Size: 3861 bp

RefSeq ORF: 3075 bp

Locus ID: 5662

UniProt ID: [A5PKW4](#)

Cytogenetics: 10q24.32

Protein Pathways: Endocytosis

MW: 109.5 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 (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (1).