

## Product datasheet for **SC308313**

### PSD3 (NM\_206909) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSD3 (NM_206909) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSD3
Synonyms:	EFA6D; EFA6R; HCA67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >SC308313 representing NM\_206909.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGCTCTTCTTGGTGTCTGTATGGTTGCTGCAATGCTGGGGTAAAAACAACCGCTAGAAGCTCAT
TCTGAAATGGGGAGCACTGAAATTTTGGAAAAGGAGACCCAGAAAATTCAGTAATGGTACCAGCAGC
AATGTGGAAGCAGCCAAAAGTTGGCCAAACGCCTTTATCAGCTGGACAGATTCAAAGATCAGATGTT
GCAAAACACCTTGGCAAGAACAACGAATTTAGCAAAGTTCAGAAAGATATCTGAAGTTTTTTGAT
TTTACAGGAATGACGCTGGATCAGTCACTCAGGTATTTCTTTAAAGCATTCTCTCTTGTGGGAGAACT
CAAGAACGAGAGAGATTTTAACTTCTCCAATAGATATTTTATTGTAACCCAGATACCATTGCT
TCACAAGATGGAGTCCATTGCCTTACCTGTGCAATAATGCTTCTTAATACCGATCTACATGGCCACAAT
ATTGGAAGAAGATGACCTGTGAGGAGTTCATTGCAAACTGCAAGGGTAAATGAGGGTGTGATTTTC
TCCAAGGATCTGTGAAAGCTCTGTACAACCAATCAAGAATGAGAAGCTTGAATGGGCAGTAGATGAT
GAAGAGAAAAAAGTCTCCCTCAGAAAGTACTGAGGAGAAAGCTAACGGAACACATCCAAGACCATC
AGTCGTATTGGAAGTACTACTAACCCATTTTTGGACATTCCTCATGATCCAAATGCTGTGTGTACAAA
AGTGGATTCTTGGCTCGGAAAATTCATGCAGATATGGATGGAAAGAAGACTCCAAGAGGAAAACGAGGA
TGGAAAACCTTTTATGCTGTACTGAAGGGAACAGTTCTTTACTTGCAAAAAGGATGAATACAAGCCAGAA
AAGGCCTTGTCTGAAGAGGACTTGAAAAACGCTGTGAGTGTGCACCACGCATTGGCATCCAAGGCCACG
GACTATGAGAAGAAACCAACGTTTAACTTAAACTGCCGACTGGAGGGTCTTGCTTTTTCAAAC
CAGAGCCCAGAGGAAATGCAAGGGTGGATAAACAATAATCAATTGTGTGGCAGCTGATTTTCTGCACCA
CCATTTCCAGCAGCAATCGGCTCTCAGAAGAAGTTAGCCGCCACTTCTGCCTGCCACTACAACAAAA
CTGTCTCAGGAGGAGCAACTGAAGTCACATGAAAGTAAGCTGAAGCAGATCACCCAGAGTGGCCGAG
CACCGCTCATATCCCCCGACAAGAAGGTCAAAGCCAAGGACGTGATGAGTACAAAAGTAAAGAGCCAC
TATCTGGAGTTTGAAGAAACCCGCTATGAAATGTATGTCAGCATTCTCAAGGAAGGAGGCAAGAGCTA
CTGAGTAACGATGAAAGCGAGGCTGCAGGACTGAAGAAGTCGACTCGAGTCCTTCGCTGAACCCGGAT
ACTTCTCCAATCACTGCCAAAGTCAAGCGTAACGTGTCAGAGAGGAAGGATCACCGACCTGAAACACCA
AGCATTAAAGCAAAAAGTTACTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

**ACCN:** NM\_206909

**Insert Size:** 1542 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\\_206909.2](#)

**RefSeq Size:** 10091 bp

**RefSeq ORF:** 1542 bp

**Locus ID:** 23362

**UniProt ID:** [Q9NYI0](#)

**Cytogenetics:** 8p22

**Protein Pathways:** Endocytosis

**MW:** 58.1 kDa

**Gene Summary:** Guanine nucleotide exchange factor for ARF6.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR and coding region compared to variant 1. The resulting isoform (b) is shorter and has distinct N- and C-termini compared to isoform a.