

Product datasheet for **SC303986**

PSD4 (NM_012455) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSD4 (NM_012455) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSD4
Synonyms:	EFA6B; TIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303986 representing NM_012455. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
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 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012455
- Insert Size:** 3171 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:	<u>NM_012455.2</u>
RefSeq Size:	5039 bp
RefSeq ORF:	3171 bp
Locus ID:	23550
UniProt ID:	<u>Q8NDX1</u>
Cytogenetics:	2q14.1
Protein Pathways:	Endocytosis
MW:	116.2 kDa
Gene Summary:	Guanine nucleotide exchange factor for ARF6 and ARL14/ARF7. Through ARL14 activation, controls the movement of MHC class II-containing vesicles along the actin cytoskeleton in dendritic cells. Involved in membrane recycling. Interacts with several phosphatidylinositol phosphate species, including phosphatidylinositol 3,4-bisphosphate, phosphatidylinositol 3,5-bisphosphate and phosphatidylinositol 4,5-bisphosphate.[UniProtKB/Swiss-Prot Function]