

## Product datasheet for **SC125814**

### PSD4 (BC035307) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSD4 (BC035307) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSD4
Synonyms:	BC046518; EFA6B; OTTMUSP00000012792; OTTMUSP00000012793; pleckstrin and Sec7 domain containing 4; SEC7 homolog; TIC
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene sequence for BC035307 edited

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ACAGGTCAACAAAAAAAAAAAAAAAAAAAAA

<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC035307
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">BC035307.1</a></u> , <u><a href="#">AAH35307.1</a></u>
<b>RefSeq Size:</b>	4768 bp
<b>Locus ID:</b>	23550
<b>Cytogenetics:</b>	2q14.1
<b>Protein Pathways:</b>	Endocytosis
<b>Gene Summary:</b>	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]