

Product datasheet for **SC105424**

PSD2 (NM_032289) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSD2 (NM_032289) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSD2
Synonyms:	EFA6C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_032289, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGAGGACAAGCTCTTATCTGCAGTGCCTGAGGAAGGCGATGCCACCCGTGACCCCGGTCCAGAGC
CTGAAGAGGAGCCAGGGGTCCGGAATGGGATGGCCAGTGAAGGCGCTGAACAGCAGCCTCTGCAGCCAGG
GCACGAGCGAAGGGGCACCCAGCGGACACTGAGGAACCCACGAAGGACCCAGATGTGGCCTTCCATGGC
CTCAGCCTTGGCCTCTCTCACC AATGGCCTAGCCCTGGGGCCAGACTTGAACATTCTGGAAGATTGAG
CGGAGTCCAGGCCTGGAGGGCTGGCGTCTGGCAGAGGGGGACAATGCTTCCAGGAGCCTCTACCCAGA
TGCTGAGGACCCTCAGCTGGGGTTGGATGGTCCCGGGGAGCCAGATGTGCGGGATGGCTTTCAGCGCCACG
TTTGAGAAGATTCTGGAGTCAAGCTGTGCGGGGCACCCAGTACAGCAGCCTCGACTCCCTAGACGGGC
TGAGCCTCACGGATGAGAGCGACAGCTGCGTCACTCGAGGCCCCCTCACACCCTCATCCAGCAGCG
GGCCCGTGACAGCCCTGAGCCAGGGGTGGGTTGGGCATTGGGGACATGGCGTTTGGGGGGACATGGGG
GCAGCTGGTGGTATGGGGAGCTGGGCAGCCCCCTGCGGGCTCCATCTCCAGCAGCCGCTCTGAGAATG
TCCTGAGCCGCTGTCTCTCATGGCCATGCCAATGGATTCCATGAAGATGGCCCTCAGGGCCAGGGGG
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GGCCTGTGAGACTCAGACTCTGAGCTCAGCAGCTCGGAGGGGTGGAGCCTGGTAGTGCAGACCCTCTGG
CCAACGGGTGCCAGGGGTCACTGAAGCTGCTCATCGGCTGGCACGCCGTCTCTACACCTCGAGGGCTT
CCAGCGCTGTGATGTGGCCCGCAGCTGGGCAAGAACAACGAGTTTTCAGGCTGGTGGCCGGGGAGTAC
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ACAAGCACGGCTCCTGACCCGGAAGACTCACGCTGACATGGATGGCAAGAGGACGCCCCGTGGGAGGCG
TGGCTGGAAGAAATCTACGAGTGTCAAAGGGACCATCTGTACCTGCAGAAGGATGAGTACAGGCTT
GACAAAGCTCTATCGGAGGGTGACCTGAAGAACGCCATTCGCGTGCATCACGCTCTGGCCACCAGGGCT
CTGACTACAGCAAGAAGTCCAACGTGCTGAAGCTTAAGACAGCCGACTGGAGGGTATTCTCTTCCAGGC
ACCGAGCAAGGAAGAAATGCTGTCTGGATCCTCAGGATCAACCTGGTGGCAGCCATCTTCTTCCCGC
GCCTTCCAGCCGCTGTGAGCTCCATGAAGAAGTTCTGTGCGCCCTGTGCCCTCTGCACCACCCGCC
TCTGCCAGGAGGCAACTGCGGTCTCATGAGAATAAGTTGAGGCAGCTGACTGCGGAGCTGGCCGAACA
CAGGTGTACCCAGTTCGAGAGGGGCATCAAGTCCAAGGAGGCGGAGGAGTACCGGTTGAAGGAGCACTAT
CTCACCTTCGAGAAAAGCCGTTATGAGACCTATATCCACCTCCTGGCTATGAAAATCAAAGTGGGCTCAG
ATGATCTGGAGCGGATTGAGGCCGCTGGCCACTCTGGAAGGGGATGACCCTTCTCTCCGGAAGACACA
TTCAAGCCCTGCCCTCAGCCAGGGCCATGTGACTGGCAGCAAAACCACAAAGGATGCCACTGGGCCTGAT
ACTTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032289 unedited
 GGGTCANCATTTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGCTGAAGGG
 ACGCGGGCGGGCGGGCAGCTCCGACCGGGCGGGCGGGGGACAGGCAGCCCGGGC
 GCCTCCGATGGCCCCGCCGTGAGAGGCCGACCGCGGGGGACACGACGGTCTAGA
 GGAGTCCCAGGAGCAGCCAGGACAGGCGGAAGCAGTGGCTGCCATGGAGGAGGACAAGCT
 CTTATCTGCAGTGCCTGAGGAAGGCGATGCCACCCGTGACCCCGTCCAGAGCCTGAAGA
 GGAGCCAGGGGTCCGGAATGGGATGGCCAGTGAAGGCTGAACAGCAGCCTCTGCAGCCC
 AGGGCACGAGCGAAGGGGCACCCAGCGGACACTGAGGAACCCACGAAGGACCCAGATGT
 GGCCTTCCATGGCCTCAGCCTTGGCCTCTCTCTACCAATGGCCTAGCCCTGGGGCCAGA
 CTTGAACATTCTGGAAGATTGAGCGGAGTCCAGGCCCTGGAGGGCTGGCGTGCTGGCAGA
 GGGGGACAATGCTTCCAGGAGCCTCTACCCAGATGCTGAGGACCCTCAGCTGGGGTTGGA
 TGGTCCCAGGGAGCCAGATGTGCGGGATGGCTTACAGGCCACGTTTGAAGATTCTGGA
 GTCAGAGTGTGCGNGCACCCAGTACAGCAGCCTCGACTCCCTAGACGGGCTGAGCCT
 CACGGATGAGAGCGACAGCTGCGTCACTTCGAGGCCCCCTCACACCCCTCATTACGCA
 GCGGGCCCGTGACAGCCCTGAGCCAGGGGCTGGGTTGGGCATTGNGGACATGGCGTTTGN
 AGGGGACATGGNGCANCTGGTGGTGGTGGAGCTGGGACGCCCTGCGGGGCTTCAT
 CTNC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032289 unedited
 NNTTCTTTGNC CGGCCGATTCTANNGATCGGNTTTTTTTTTTTTTTTTTTTAATT
 GGGCAAACAGATGCTTTTATTCCTATAGCAGTAGATCTGTCCAAGAGGCCACCTCTGGA
 GCTCAAAGACCTGGCAGCACCAACATAAAGACCCAAATATAAACAGGGCCGGGTCCCAT
 CCGACTCACACCCAGGATATCCATGGGACAAACGGGGCGGTGCATACACGCTCTATTTT
 TTCCAAAAGTATCATCGGTAAGAGCAGTATAAGTACAGGTGAGTGAAGAGGGAAAAA
 CAGGGCAAGGGAGGCCAGCACTGCCTCCCTTCCCTCCTAGAGCGTCAGGAATGCCAGG
 GGGCCAGGTGCAGCCATCCTTCCAAAGGGGAAGCTCCAAAATAGGCTTTTCTTTATC
 TGATTTTCACTCTAACTGATCCAGTTCCAAAACCATCTTTTCAAGGGTCTCTTATGAT
 ATATTATCTTATAGATGATATTTGTGTCTGTATAAAAAGGAGGCAGTGTGATCTCAAT
 GGATGAAAAGAAGTGGATGCACATGTGATGGAGTCAGCTTTACTGAAAGGGCACAAGC
 CTGGGTCCCAGATTATTGTGATGTGAGGCAGGAGACCTGCGCATGTTCTGGAGGTGTT
 GGAAGAAAAGGATGGTGTGCTGTCGCGCACCTGCTGCTGCCACCTTAGAGGAAAGAG
 GAGGAGAAAAGTTGGGGTTCCAGCGGACACCTAAAGCAAGACCTGCCCTCCCCCAAAA
 AATGACGAGAGCAGCTTGTGATGAGAAGAAAAAGACTGGGAAGAACAGCCCTTTCAGTTTC
 TTCAAGGAGGGGGTTTAAAGGATGGCCACAACCTGGCCTACAAAGGAGGGTCTGGTGGG
 AAAGAAAAAAGGGCCACGAAAAGTTTCTGAGCCCCG

Restriction Sites:

NotI-NotI

ACCN:

NM_032289

Insert Size:

4070 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_032289.1](#), [NP_115665.1](#)

RefSeq Size: 4528 bp

RefSeq ORF: 2316 bp

Locus ID: 84249

UniProt ID: [Q9BQI7](#)

Cytogenetics: 5q31.2

Domains: Sec7, PH

Protein Pathways: Endocytosis