

Product datasheet for **MR231106**

Psd2 (NM_001289602) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psd2 (NM_001289602) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psd2
Synonyms:	6330404E20Rik; AW125584; EFA6C
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR231106 representing NM_001289602
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGAAGAGAAGCTCCCATGTGAGCTGCACAAGGAAGGGAGTGCTACCCAGGAGGACCACGGCCTGG
 AGCCCGAAGAGGAGCCTGGGCTCCAGAATGGAACAGCAGCCAGCGAAGGCCTGAGCAGCCACATCAGCGG
 CCCAGGCGGTGAGAAGACCTTAGAGGGTACCATGGAGCCTGTGAGAGGCCAGATGTGGCCCTGCCTGGC
 CTTAACCTCTCTTTGACCAATGGCCTGGCTTTGGGACAAGATGGGAACATTTTGAAGATTCCATAGAAT
 TTAAGACCTGGAGAAGCGGACCAGCAGAGGAGGAGGATGTCCCTGGGAGTCCCTGTCCAGATGCTGGGGA
 CCCTCAGCTGGGGCTGGATTGTCTGGCGAACAGATGTACGTGATGGCTTCAGTGCCACTTTTGAGAAG
 ATTCTGGAGTCGGAGCTACTGCGGGGCACCCAGTATAGCAGCCTGGACTCTTTAGATGTGCTGAGTCTCA
 CTGACGAGAGTGACAGCTGTGTCAGCTTCGAGGCCCCCTTACACCTCTCATCCAGCAGAGGGCTCGAGA
 TAGCCCCGAGGCCGGGGCTGGGCTGGGCAATGGGGACATGGGGCCTGAAGGGGATCTGGGGCAACTGGT
 GGTGTGATGGGGAAGTGGCAGTCCCCTGAGGCGGTCCATCTCTAGCAGCCGCTCAGAGAATGTCTTGA
 GCCACCTGTCTCTCACCTCGGTGCCAATGGGTTCCATGAAGATGGGCCTGGGGGCTCGGGAGGGGACGA
 TGAGGACGATGAGGACACGGACAAGTTGCTGAACCTCTGCCAGTGACACCAGCCTTAAGGATGGCCTGTGC
 GACTCGGACTCGGAGCTGAGCAGCTCTGAGGGGCTGGAGCCTGGCAGCACAGATCCACTGGCCAACGGGT
 GCCAGGGGGTCAGCGAAGCCGCTCGCAGGCTGGCCGACGGCTCTACCATCTTGAAGGTTTCCAGCGCTG
 TGATGTAGCTCGGACGCTGGGCAAGAACAATGAGTTCAGCAGGCTGGTTGCTGGGGAGTACCTCAGTTTC
 TTCGACTTCTCAGGCCTCACTTTGGACAGAGCACTCAGAACCTTCTCGCCGGTACTGCCAGTGAACCCAGACGAC
 AGACACAGGAACGAGAACGAGTCTTACCCACTTCTCTCGCCGGTACTGCCAGTGAACCCAGACGACAC
 CACATCAGAAGATGGGATCCACACGCTCACCTGCGCCCTGATGCTCAACACAGACCTGCATGGACAC
 AACATTGGCAAGAAGATGTCTGCGCAGCAATTCATTGCCAACTTGACCAGCTGAACGATGGCCAAGACT
 TTGCCAAAGACTTTTGAAGACTTTTACAACCTCCATCAAGAACGAAAAGCTGGAATGGGCCATTGATGA
 GGATGAGCTGAGGAAATCCCTGTCTGAGCTGGTGGATGACAAGTTTGGGACGGGCACAAAGAAGGTGACT
 CGGATCTTGGATGGTGGCAATCCATTCTGGATGTCCCGCAGGCTCTCAACGCTACCACCTACAAGCATG
 GCGTGCTGACCCGGAAGACTCATGCGGACATGGATGCACCCCGTGGGAGGCGTGGCTGGAAGAAATCTA
 TGCAGTGCTCAAAGGACCATCCTGTACCTGCAGAAGGATGAGTACAGGCTTGACAAGGCTGTGTCTGAG
 GGGACCTGAAGAATGCCATCCGTGTGACCACGCTCTGGCCACCAGGGCTTCTGACTACAGTAAGAAGT
 CCAACGTGCTCAAGCTGAAGACAGCAGACTGGAGGGTGTTCCTCTCCAGGCACCGAGCAAGGAAGAGAT
 GTTGTCTGGATCCTGAGGATCAACCTAGTAGCCGCCATCTTCTCAGCACCAGCCTTCCCAGCAGCCGTC
 AGCTCCATGAAGAAGTTTGTGACCCCTGCTGCCCTCCTGTACCACCCGCTCTGCCAGGAGGAGCAGC
 TGCGGTCTCATGAGAATAAGTTGAGGCAGGTGACTGCAGAGCTGGCTGAGCACAGGTGTACCCACTGGA
 GAGAGGCTCAAGTCTAAGGAAGCAGAAGAGTACCGTCTGAAGGAACACTATCTCACCTTTGAGAAAAGC
 CGTTATGAGACCTATATTCACCTCCTGGCCGTGAAAATCAAAGTGGGCTCAGATGACCTGGAGCGGATTG
 AGGCACGGCTGGTACTATAGAAGGGGATGACCCAGCTCTCCGAAAACACACTCAAGCCCCGCCCTCAG
 CCTGGGCCACGGCCTGTGACTGGCAGCAAAGCCACAAAGGATACCTCTGCATCTGATACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231106 representing NM_001289602
 Red=Cloning site Green=Tags(s)

MDEEKLPCELHKEGSATQEDHGLEPEEEPLQNGTAASEGLSSHISGPGGEKTLEGTMEPVRGPDVALPG
 LNL SL TNGLALGQDGNILEDSEIEFKTWRS GPAEEEDVPGSPCPDAGDPQLGLDCPGEPDVRDGF SATFEK
 ILESELLRGTQYSSLDSDLVLSL TDESDSCVSFEAPL TPLIQQRARDSPEAGAGLNGDMGPEGDLGATG
 GCDGELGSP LRRSISSSRSENVLSHL SL TSVPNGFHEDGPGSGGDDDEDEDTKLLNSASDTSLKDGLS
 DSDSELSSSEGLEPGSTDPLANGCQGVSEARRLARRLYHLEGFQRCDVARQLGKNEFSRLVAGEYLSF
 FDFSGLTLDRALRTFLKAFPLMGETQERERVL THFSRRYCQCNPDSTSEDGIHTLTALMLLNTDLHGH
 NIGKKMSCQQFIANLDQLNDGQDFAKDLLKTL YNSIKNEKLEWAIDEDELRSLSLSELVDDKFGTGKVKVT
 RILDGGNPF LDV P QALNATTYKHGVL TRKTHADMDAPRGRGWKFFYAVLKGTILYLQKDEYRLDKALSE
 GDLKNAIRVHHALATRASDYSKSNVLKLTADWRVFLFQAPSKEEMLSWILRINLVAAIFSAFPAAV
 SSMKKFCRPLLP SCTRRLCQEEQLRSHENKLRQVTAELAEHRCHPLERGLKSKEAEEYRLKEHYLTFEKS
 RYETYIHLLAVKIKVGSDDLRIEARLATIEGDDPALRKTHSSPALSLGHGPVTGSKATKDT SASDT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

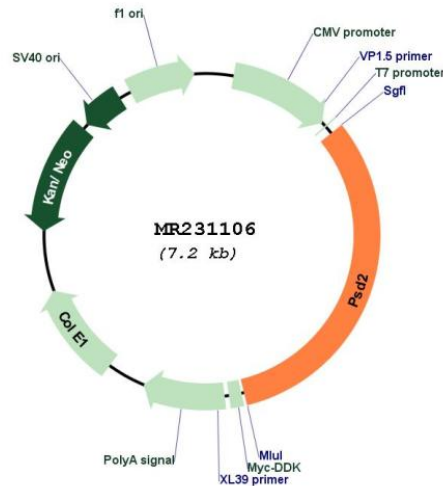
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001289602

ORF Size: 2301 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001289602.1](#), [NP_001276531.1](#)

RefSeq Size: 4622 bp

RefSeq ORF: 2304 bp

Locus ID: 74002

UniProt ID: Q6P116
Cytogenetics: 18 B2
MW: 84.4 kDa