

Product datasheet for **MC223241**

Psd (NM_028627) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psd (NM_028627) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Psd
Synonyms:	1110007H17Rik; A930015K15; Efa6; Efa6a; mKIAA2011; Psdl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223241 representing NM_028627 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCAGGGTGCCATGCGCTTCTGCTCAGAAGGCGACTGTGCCATCTCCCCACCAGATGTCCTCGTC
GCTGGCTCCCCGAAGGCCAGTGCCCAAAGTCCCCAGCCAGCATGTATGGCAGCACAGGATCCCTTAT
ACGACGAGTGGTGGGCCAGTCTCGAGGCCGGATCTGGGACGTGTGACAGCACCTTGTACCCCTCTG
CGAGCCCCCTCCACCCATATAGCTCCCTCACCTGGGGACCTCTTACCCACTGGGAGCCTCCAC
CAGGGGCACAGAGTTCTGTGGTCATCTCCGTTTTGTGGAGAAGGCCAGTGTGAGGCCACTGAATGGCCT
ACCTGTTCTGGAGGCCTGAGTCGGAGCTGGGACCTGGGCGGGATTTCTGCCCCAGGCCACCCAGCC
CTTGGACCTGGCTGCAACCGGAAGTTGCGGCTAGAGGCATCCACATCAGACCCACTCCCAGCTGGAGGAG
GCTCTGTTCTTCTGGCAGCAGGGACCCCTCACGTGGACCATTGGTCCCACCCAGATCGGGCAGATGG
GCTTTACTCCTCCCTCCCCAATGGGCTGGGGGGACCCCTGAGCACCTGGCCATGCACTCCGAGGACCT
GCAGACACCGGATTCTAAACCAGGGGGACACCTGGTCTCCCCCGGAAGTCTCCTCATGCCCAGA
GAATCGTCGAGCCAAGTGGGAATCTTCTATGGCTCCTTGGACGCCCCAGCTCAGGTGTAAGCCCC
AGAGCAGTCTCCCATCACGTGGGTGGGCTCCAAGCAAGGCTCTGGGTGGCTGTGGGCGAGCAGCC
AAGTACTCCGAGACAGACCTGGACAAGGTGCCCTGAGGTGCTACCGAGAGACTGACATCGATGAGGTGC
TGGCTGAGCGGGAGGAGCCGACTCTGCCATTGAGAGTCAGCCAGCTCTGAGGGCCCCATGGCACTGC
CCAACCACCTGCCTCACGACCTAGCCATGCCCTGGCCCTTCTCCAGTCTGGGAGTGGCAACGAAGAT
GATGAGGCAGGAGGTGAAGAGGATGTGGATGATGAGGTGTTGAGGCCTCGGAGGGGGCCCGCCAGGGG
ACCACATGCCTCACTCTGGGCTTCTCAAGTCACCAGTACCCTTCTGCTTGGGACCAGCCCTCAGCGGA
TGGCCTGACTCCTTCAGTTGTGTGTTGAAGCTATCTTGGAGTCACACCGGGCCAAGGGCACCTCCTAT
AGTAGCCTTGCCCTCCCTGGAGGCACTGGCCTCACCTGGCCAACCCAGAGCCCTTCTTACCTTTGAGA
TGCTCCCCAGCCCCAGCTCCCAGGCCTGACCCACCTGCACCTGCCCACTTGCCCTCTTGAACCTGA
TTCTGGCACCAGCTCTGCTGCTGATGGTCTTGGACCCAGAGAAGGGAGGTGGAAGAGTCAGATGCTGGG
GCCACGCTGGCCCAAGGAAGGAGCTTCTAGTCCCTCCCACTCTGAGGATAGCTTTGGGCTGGGGCAG



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CACCCCTAGGCAGTGAACCACCCCTAAGTCAGCTGGTATCCGACTCAGACTCAGAGCTGGACAGCACAGA
 GCGGCTGGCCCTGGGAAGCACAGACACCTTGTCCAATGGACAGAAAGCAGATTTGGAGGCTGCACAGCGC
 CTAGCCAAGAGGCTATACCGACTCGATGGCTTCAGGAAGGCCGATGTGGCACGGCATCTGGGCAAGAA
 ATGACTTCAGCAAATTTGGTGGCTGGCGAGTATCTGAAGTTTTTTGTCTTCACGGGCATGACTCTGGACCA
 AGCTCTCAGGGTATTTCTAAAGGAGCTGGCCTTAATGGGTGAGACCCAGGAGCGGAGCGTGTACTGGCC
 CACTTCTCCAGCGATATTTCCAGTGAATCCTGAAGCCCTGTCTCAGAGGACGGTGTCTACACGCTGA
 CCTGTGCCCTCATGCTCCTCAACACAGATCTCCATGGCCATAACATTGGGAAGCGCATGACCTGTGGGA
 CTTTCATCGGAAACCTGGAGGGCCCAATGATGGTGGCGACTTCCCAGGGAGCTGCTCAAGGCCTTGAC
 AGCTCCATCAAGAATGAAAAATTGCAATGGGCCATAGACGAGGAGGAGCTGCGACGGTCTCTGTCCGAGT
 TGGCCGATCCTAACCCCAAGGTCAACAGCGGGTCAAGCGGAGGAGTGGCAGCAGTTCCAGCCCCTTCT
 GGACCTGACTCCTGAGCCCGGGGAGCTGTCTACAAGCACGGGGCCCTGGTGCAGAAAGTGCACGCAGAC
 CCTGACTGCAGGAAGACACCTCGTGGCAAGCGGGGCTGGAAGAGCTTCCACGGGATCCTCAAGGGCATGA
 TCCTCTACCTGCAGAAGGAGGATATCAGCCTGGGAAGGCTCTTCCGAGGCAGAGCTGAAGAATGCTAT
 CAGCATCCACCACGCCCTGGCTACCCGCCAGCGATTATAGCAAGAGACCACACGTCTTCTACCTGCGC
 ACAGCTGACTGGCGGGTCTTCTCTCCAGGCTCCGAGCCTGGAGCAAATGCAGTCTGGATCACTCGCA
 TCAATGTGGTGGCTGCCATGTTTCTGCACCCCTTCCCAGCTGCTGTTAGCTCCAGAAGAAATTCAG
 CCGCCCTCTGCTGCCAGTGTGCCACCCGCTCTCCCAGGAGGAGCAGGTGAGGACCCATGAGGCCAAG
 CTGAAGGCCATGGCCAGCGAGCTGAGAGAGCACCGGGTGCACATCTGGGAAAGAAGGCCGAGGCAAGG
 AGGCGGATGAGCAGCGGCAAGGAGGCCCTACCTGGAGTTTGAGAAATCCCGCTACGGCACCTATGCAGC
 ACTGCTTCGAGTCAAGATGAAGGCAGCCAGCGAGGAGCTGGACACCATAGAGGCAGCCCTGGCCAGGCT
 GGGAGCACGGAGGATGGATGCCCTCCGCTCACTCCAGTCTTCCCTGCGGCCAAGCCACAGCCAGC
 CCCGGGCTCAGCGTCTGGCTCAGAAACCCGGGCTGGAGCAGGCAGTACAAGCCAAAGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_028627

Insert Size:

3075 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_028627.2](#), [NP_082903.2](#)

RefSeq Size:

3950 bp

RefSeq ORF:

3075 bp

Locus ID: 73728

UniProt ID: [Q5DTT2](#)

Cytogenetics: 19 38.8 cM

Gene Summary: Guanine nucleotide exchange factor for ARF6 (By similarity). Isoform 2 and isoform 3 induce cytoskeletal remodeling, but lead to distinct morphological changes in HeLa cells: isoform 2 induces cell elongation and formation of actin-rich protrusions, whereas isoform 3 promotes the formation of membrane ruffles and loss of stress fibers (PubMed:19494129).
[UniProtKB/Swiss-Prot Function]