

Product datasheet for MR217408

Psd (NM_028627) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psd (NM_028627) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psd
Synonyms:	1110007H17Rik; A930015K15; Efa6; Efa6a; mKIAA2011; Psdl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217408 representing NM_028627 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGGGTGCCATGCGCTTCTGCTCAGAAGGCGACTGTGCCATCTCCCACCACGATGTCCTCGTC
GCTGGCTCCCGAAGGCCAGTGCCTCAAGTCCCGCAGCCAGCATGTATGGCAGCACAGGATCCCTTAT
ACGACGAGTGGTGGGCCAGGTCCTCGAGGCGGGATCTGGGACGTGTGACAGCACCTTGTACCCCTCTG
CGAGCCCTCCCTCACCCATATAGCTCCCTCACCTGGGACCCTCTTACCCACTGGGCAGCCTCCAC
CAGGGGCACAGAGTTCTGTGGTATCTTCCGTTTTGTGGAGAAGGCCAGTGTGAGGCCACTGAATGGCT
ACCTGCTTCTGGAGGCCCTGAGTCGAGCTGGGACCTGGGCGGGATTTCTGCCCCAGGCCACCCAGCC
CTTGGACCTGGCTGCAACCGGAAGTTGGCGCTAGAGGCATCCACATCAGACCCACTCCCAGCTGGAGGAG
GCTCTGTTCTTCTGGCAGCAGGGACCCCTCACGTGGACCATTGGTCCCACCCAGATCGGGCAGATGG
GCTTTACTCCTCCCTCCCAATGGGCTGGGGGGGACCCCTGAGCACCTGGCCATGCACCTCCGAGGACCT
GCAGACACCGGATTCTAAACAGGGGGACACCTGGTCTCCCCCGGAAGTCTCCTCATGCCAGA
GAATCGCTCGAGCCAAGTGGGAATCTTCTATGGCTCCTGGACGCCCCAGCTCAGGTGCTAAGCCCC
AGAGCAGGTCTCCATCACGTGGGTGGGCTCCAAGCAAGGCTCTGGGTGGCTGTGGGCGAGCAGCC
AAGTACTCGAGACAGACTGGACAAGGTGCCCTGAGGTGCTACCGAGAGACTGACATCGATGAGGTGC
TGGCTGAGCGGGAGGAGGCCACTCTGCCATTGAGAGTCAGCCAGCTCTGAGGGCCCCATGGCACTGC
CCAACCACCTGCCTCACGACCTAGCCATGCCCTGGCCCTTCTTCCAGTCTGGGACGTGGCAACGAAGAT
GATGAGGCAGGAGGTGAAGAGGATGTGGATGATGAGGTGTTGAGGCCTCGGAGGGGGCCCGCCAGGGG
ACCACATGCCTCACTCTGGGCTTCTCAAGTACCAGTACCCTTCTGCTTGGGACCAGCCCTCAGCGGA
TGGGCTGACTCCTTCAAGTTGTGTGTTGAAGCTATCTTGGAGTCACACCGGGCAAGGGCACCTCCTAT
AGTAGCCTTGCTCCCTGGAGGCACTGGCTCACCTGGCCCAACCCAGAGCCCTTCTTCACTTTGAGA
TGCTCCCGAGCCCGAGCTCCAGGCTGACCCACCTGCACCTGCCCACTTGGCCCTTGTGAACCTGA
TTCTGGCACAGCTCTGCTGCTGATGGTCTTGGACCCAGAGAAGGGAGGTGGAAGAGTCAGATGCTGGG



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Cloning Scheme:



ACCN: NM_028627

ORF Size: 3072 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_028627.2](#), [NP_082903.2](#)

RefSeq Size: 3950 bp

RefSeq ORF: 3075 bp

Locus ID: 73728

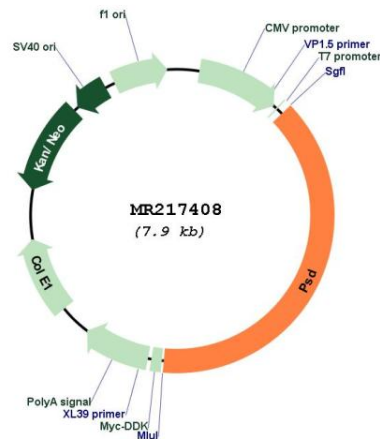
UniProt ID: [Q5DTT2](#)

Cytogenetics: 19 38.8 cM

MW: 109.7 kDa

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]

Product images:



Circular map for MR217408