

Product datasheet for **MR202794**

Psmid10 (NM_016883) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmid10 (NM_016883) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psmid10
Synonyms: AW554874
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202794 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGGTGTGTCTAACATAATGATCTGTAACTGGCCTACAGTGGGAAGCTGGATGAGTTGAAGG
AGCGCATTTTGGCTGATAAATCTCTGGCTACTAGAACTGATCAGGACAGCAGAACAGCTTGCACCTGGC
ATGCTCAGCTGGCCATACAGAAATTGTTGAATCTTGCTGCAACTGGAGTGCCAGTGAATGATAAAGAT
GACGCAGGTTGGTCTCCTCTTCATATTGCTGCCTCCGCTGGCCGGGATGAGATTGTAAGCCCTTCTGG
TAAAAGGTGCACATGTGAATGCTGTCAATCAAACGGCTGCACTCCACTCCATTATGCAGCTTCGAAGAA
TAGGCATGAGATTGCTGTTATGTTACTAGAAAGTGGGGCTAACCCAGATGCGAAGGACCATTACGATGCT
ACAGCAATGCACCGGGCAGCAGCCAAGGTAACCTGAAGATGGTTCACATCCTTCTGTTCTACAAAGCAT
CCACAAACATCCAAGACTGAGGGTAACACTCCTCTACACTTAGCCTGTGATGAAGAGAGAGTGGGAAGA
GGCAAAATTTCTGGTACTCAAGGAGCAAGTATTACATTGAGAAATAAGAAGAAAAGACACCCCTGCAA
GTGGCCAAAGGGGCTGGGTTAATACTCAAGAGACTAGCAGAAAGTGAAGAGGCTTCTATG

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_016883.4](#)

RefSeq Size: 1456 bp

RefSeq ORF: 696 bp

Locus ID: 53380

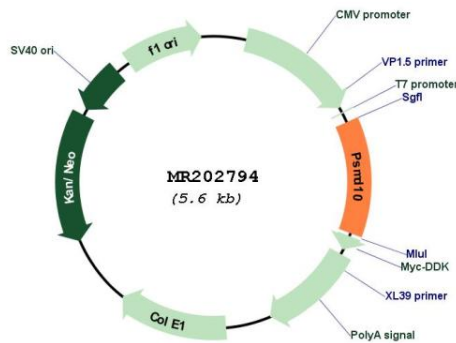
UniProt ID: [Q9Z2X2](#)

Cytogenetics: X F1

MW: 25.1 kDa

Gene Summary: Acts as a chaperone during the assembly of the 26S proteasome, specifically of the PA700/19S regulatory complex (RC). In the initial step of the base subcomplex assembly is part of an intermediate PSMD10:PSMC4:PSMC5:PAAF1 module which probably assembles with a PSMD5:PSMC2:PSMC1:PSMD2 module (By similarity). Independently of the proteasome, regulates EGF-induced AKT activation through inhibition of the RHOA/ROCK/PTEN pathway, leading to prolonged AKT activation. Plays an important role in RAS-induced tumorigenesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202794