

Product datasheet for **MR223528**

Prps2 (NM_026662) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prps2 (NM_026662) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prps2
Synonyms:	2610101M19Rik; AA589463; AI464149; Prps-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR223528 representing NM_026662 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCTAACATCGTGCTCTTCAGCGGCAGTTCTCACCAGGACCTGTCGCAGCGCGTGGCCGATCGCCTGG
GCCTGGAGCTGGCAAGGTGGTCACCAAGAAGTTAGCAACCAGGAGACCAGTGTGAGATCGGTGAAAG
TGTGAGAGGGGAAGATGTCTACATCATCCAGAGTGGCTGCGGGGAGATTAATGACAACCTGATGGAGCTA
CTCATCATGATCAATGCGTGCAAGATTGCGTCCATCCAGGGTGACAGCTGTGATACCCGCTTCCCCT
ACGCCCGCAAGATAAAAAGGACAAGAGTCGTGCTCCAATTTCTGCTAAACTTGTGGCCAATATGCTGTC
AGTTGCTGGGGCTGATCACATCATTACCATGGACCTGCATGCCTCTCAGATCCAGGGTTTCTTTGATATT
CCTGTGGATAATTTATATGCAGAACCTGCAGTTCTTCAGTGGATTCGGGAGAACATCACTGAATGGAGAA
ACTGTATTATTGTTTCTCCAGATGCTGGAGGAGCCAAAAGGGTTACATCAATTGCAGACAGACTGAATGT
GGAATTTGCTTTGATTCACAAAGAGAGAAAAGAAAGCAAATGAAGTGGACCGGATGGTTCTCGTGGGTGAT
GTGAAGGACCGTGTGGCCATCCTGGTAGACGACATGGCCGATACATGTGGTACCATCTGCCATGCTGCAG
ATAAGTTACTCTCAGCTGGTGCCACCAAAGTTTATGCTATTCTTACCCATGGAATCTTCTCTGGCCAGC
TATTTCCAGAATAAATAGTGCTGCCTTTGAAGCTGTTGTTGTACCAACACAATTCCACAAGAGGACAAA
ATGAAACACTGCTCCAAAATTCAGGTGATTGACATTTTCGATGATCCTGGCTGAAGCCATTGAAGAACCC
ACAATGGGAATCCGTGTCCTATCTGTTAGCCATGTCCCACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR223528 representing NM_026662
 Red=Cloning site Green=Tags(s)

MPNIVLFSGSSHQDL SQRVADRLGLELGKVVTKKFSNQETSVEIGESVRGEDVYIIQSGCGEINDNLMEL
 LIMINACKIASSSRVTAVIPCFPYARQDKKDSRAPISAKLVANMLSVAGADHIIITMDLHASIQGFFDI
 PVDNLYAEPVQLQWIRENITWRNCIIIVSPDAGGAKRVT SIADRLNVEFALIHKERKKANEVDRMVLVGD
 VKDRVAILVDDMADTCGTICHAADKLLSAGATKVYAIL THGIFSGPAISRINSAAFEAVVNTNTIPQEDK
 MKHCSKIQVIDISMILAEAIRRTHNGESVSYLFSHVPL

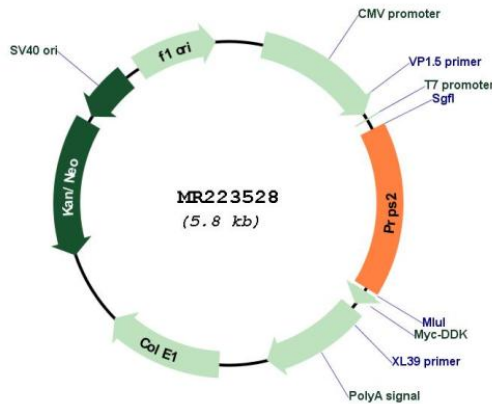
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026662

ORF Size: 954 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:	<ol style="list-style-type: none">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_026662.5
RefSeq Size:	3638 bp
RefSeq ORF:	957 bp
Locus ID:	110639
UniProt ID:	Q9CS42
Cytogenetics:	X 78.32 cM
MW:	35.2 kDa
Gene Summary:	Catalyzes the synthesis of phosphoribosylpyrophosphate (PRPP) that is essential for nucleotide synthesis.[UniProtKB/Swiss-Prot Function]