

Product datasheet for **MR207070**

Cpm (NM_027468) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpm (NM_027468) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpm
Synonyms:	1110060I01Rik; 5730456K23Rik; AA589379; E030045M14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207070 representing NM_027468
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

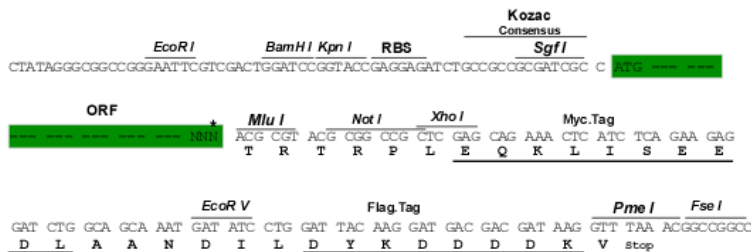
ATGGACCGCGCGCCTGTGGCTGGGGCTTCTGCTGCCCGTGGTGCCGCCCTGGATTTCCGATATCACC
 ACCAGGAAGGATGGAGGCGTTCTAAAGAGCGTGGCTCAGAAGTACAGTTTCGATCAGCACTTGCACAG
 CATCGGAAATCTGTGAGAGGTAGAAACCTGTGGTTCTCGTTGTGGGCAGACTCCAAAGGAACACAGA
 GTCGGGATTCAGAATCAAATACGTGGCGAATATGCACGGAGATGAGACTGTAGGGCGAGAAGTCTGTC
 TCCACCTGATCGACTATCTGGTGGCAGTTACAGGAAAGACCCGGAAATCACGCATCTGATTGACAGCAC
 CCGGATCCACATCATGCCTTCCATGAACCCGATGGATTGCAAGCCGTCAGAGCCGACTGTTACTAC
 AGCAATGGCAGGAAAACACAATAATTATGACCTGAACAGAACTTTCTGATGCCTTTGAGAATAACA
 ATGTAACAAAGCAACCTGAGACTCTGGCAATCATGGAGTGGCTGAAAACGAAACATTTGCTCTCTGC
 GAATCTCCATGGGGTGCCTGGTGGCCAGTTACCCCTTTGATAATGGCGTACAAGCTACGGGGACACTG
 TTGTCCCGAAGCTTAACCCCGGACGATGAGTTTTCCAACACCTGGCCTACACCTACGCCTCCCGGAATC
 CCAACATGACAAAAGGAGATCAGTGTAAAAACAAGAGGAATTCCTCAACGGGATATCAACGGCTACTC
 CTGGTACCCTGCAAGGGGAAATGCAAGATTACAACATACATCTGGGCCAGTGTCTTTGAAATTACCCTG
 GAGCTGTCGTGCTGTAATATCCTCGCGAGGAGAAGCTGCCGCTCTTTTGGAACGATAACAAAGCCTCTT
 TGATCGAATATATAAACAGGTGCACCTAGGGGTAAAGGGTCAAGTGTTCGATCAGAGTGGAGCTCCATT
 ACCGAATGTAATCGTGAAGTCCAAGACAGAAAGCATATCTGCCCGTTTAGAACCAACAAGCTTGGAGAA
 TACTATCTGCTTCTGCTGCCCGGTCTACGTGATCAATGTTACAGTCCCTGGACAGCAGCTCTACCTCA
 CGAAGCTTACTATTCAGGGAAATCCCAGCCCTTCAGTGCTCTTAAAAAGGATTTTCACCTCCCGCTCGG
 ATGGCAGCCGGATTCCATCTCCGTATCCAATCCTTCGTGCCCGATGATTCCGCTGTACAATTATGCCA
 AGCCACTCGGCTGCCACAAGCCTAGTCTGGCGTGTTTTTCATGACTCTTTTGTACGTATTTTTTAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:
 Restriction Sites:
 Cloning Scheme:

https://cdn.origene.com/chromatograms/mm9078_d09.zip
 SgfI-MluI

Cloning sites used for ORF Shuttling:

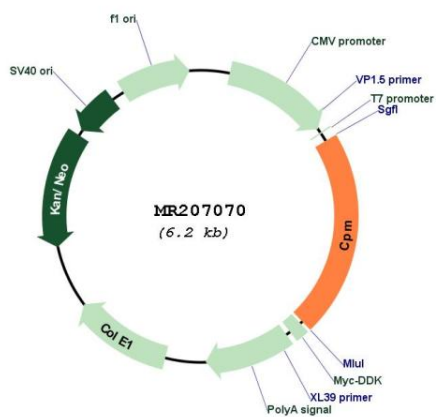


* The last codon before the Stop codon of the ORF

ACCN: NM_027468

ORF Size:	1329 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_027468.1 , NP_081744.1
RefSeq Size:	5195 bp
RefSeq ORF:	1332 bp
Locus ID:	70574
UniProt ID:	Q80V42
Cytogenetics:	10 D2
MW:	51 kDa
Gene Summary:	Specifically removes C-terminal basic residues (Arg or Lys) from peptides and proteins. It is believed to play important roles in the control of peptide hormone and growth factor activity at the cell surface, and in the membrane-localized degradation of extracellular proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207070