

Product datasheet for **MC223615**

Rptn (NM_009100) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rptn (NM_009100) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rptn
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223615 representing NM_009100
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCTCAACTTCTTAATAGCATTCTCAACGTAAGCAAGGTTTTCCAGGACTATGCTGAATATCATGGGG
TAGGCGCTTCACTGAGCAAGAAGGAGTTGAAGCAGCTGCTGCTCACTGAGTTGGAGACATCCTTCGGAG
ACCAAATGATCCAGAACTGTGGAAACCTTCTGGAACACTTGGACCGAGACAGAAATGGATATGTTGAT
TTTCATGAATACCTCTTGTGTTATTCCAATTGGTCCAAGCCTGCCATCATAAGCTAGATAGTAAGTTCT
ATGGATCTAGAACCTCTCCAGAAAGAATGATCAGGAAGGAACACGGAGCCATAAAATTTTCAGAAAG
CACAGGCAGACAACATAGGCAGAGGTATGAAGGAGAACGCCGGAACCTCTCACCACAATCAGTCTGAAGGA
CAACATCAAAATGTCCAACATGATCAGTCCCAGAGACAAGATAAGGACTCTGAGAGACATGATACAGATC
CTCACTGTGGTCACTGAGAGACATTCCATGGGGACTCCCCTATGGCCATTCTGAGAGACAAGACACAGA
TTATAGCTCAGATCAGTCTGAGTCAAGCAATGAATCTTCTAGTTCTAGTCAAAGACTGGGTTATAAATCT
AGTCATGAACAGCCAAAGGTCAAGGATATGTCTTTGCCCTAAGTCAGTCTAAGAACCCTGAGCAGGCTT
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GAGTTTTCAACAAGGTCAGAAAGGCAGAAAAGACCAGAGTCTCACCTGGGTGAGAAAGGCAGGCAAGAC
CAGAGTCTCACCGGGTCAAGAAAGGCAGACAAGACCAGAGTCTCACCGGGTCAAGAAAGGCAGGCAAG
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AGACCAGAGTCTCACCTGGGTCAAGAAAGGCAGACAAGACCAGAGTCTCACCGGGTCAAGAAAGGCAGA
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CAGACAGTCAAGGCCAGAAATCAAAGTGGCATCGGACAGACAGTCAAGGCCAGAGTTTTCATTATGGTCA
GACAGGTTGACAAGGCCCTGAGTTCTCACCGGGCCAGACCAGACAGCAAGGCCAGAAATCAAAGTGGCAT



CCGACAGACAGTCAAGGACAGAGTTTTTCATTTTGATCAGGCAGGCAGAGAAGTCCAGGGTCTCACCATG
 GTCAGACAGACAGACAAAGCCAGAATTCAAACTGGCATCGGACAGACAGTCAAGGACAGAGTTTTTCATTT
 TGATCAGGCAGGCAAAGAAGTCCAGGGTCTCACCAGGGTCAGACAGACAGTCAAGGCCAGAGTTCACAT
 TGGCATCAGACAGACAGGCAAGGCCAGAGTTCTCAACAGGGTCACAAAGACAGACAAGGCCAGAACACTC
 ACCAAGGTCAGAAAGGCAGGCAAGACCTGAGTCCTCACCAGGGTCAGAAAGGCAGGCAAGACCAGAGTCC
 TCACCTGGGTAGAAAGGCAGGCATGACCAGAGTCCTCACCAGGGTCAGAAAGGCAGGCAAGACCAGAGT
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 GAGTCTCACCAGGGTCAGAAAGGCAGACAAGACCAGAGTTCTCACCAGGGTCAAAGAGAGGGTCAAGAT
 CAGAATTCACACTGGCATCGGACAGACAGACAAGGACAGAGTTTTTCATTATGGTCAGACAGGTGGACAAG
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 AGGACAGAGTTTTTCATTTTGATCAGGCAGGCAGAGAAGGCCAGAGTTCTCACCATGGTCAGACAGACAG
 CAAAGCCAGAGTTCTCACTGTGGTCAGTCAGAGATTGGAAAACTGAAAAAACAAGGGCAAAAACAGGCACT
 CTCTAGGGACTGATAGAACAAGAAGAGACTCATATGTTGAACAATCTGGAAGGTCAGTAAAATAAGTCA
 GCAGAATTCAGAGAAGAAGTGCCTCAAACCCAGAGTCAGAGATCCCATGATAGAAGGGAGCAGCAATC
 CAGCAGACAGATGGAAGCCTAAAGAGGACAACCAACACAAACTCTTAGCTCAGGTACAGCAAGAGCCAT
 ACTCCTATGAAGAATATGATTGGCAATCAGAGCAGTGAGCAGGACCACTGCGGGGAGGAAGAATATCA
 AGACTGGGATAGACACAGTGTGAGGATCAGGAAAATCTGTATGAGATGCAGAACTGGCAAACTCATGAA
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 GGCAAACTCATGAAGAAAATCACGATCATCAACATGGTAGACATCATGAAGATGAGCACAATCACAGGAG
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 CAATCCAGAAGCTTCCCCAACAGAGAAAAATCCCACATGAGTGAAGATGACCAGTGTGAAGGGCCCCAGG
 GAAGACGTTTTCCATCCAACCTCATGGTGGTGGAAAGTCCCAAAGAAGAGAAAAATCTGGAACCCACCTAC
 CAAACCGCCAACCTATTCCAGCCCTTTGTACGACTATGTCCAAGAACAGGCAGCCTATCAGTACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_009100
- Insert Size:** 3357 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_009100.2](#), [NP_033126.2](#)
- RefSeq Size:** 4146 bp

RefSeq ORF: 3357 bp

Locus ID: 20129

UniProt ID: [P97347](#)

Cytogenetics: 3 F2.1

Gene Summary: Involved in the cornified cell envelope formation. Multifunctional epidermal matrix protein.
[UniProtKB/Swiss-Prot Function]