

Product datasheet for **RN213123**

Disp2 (NM_001107759) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Disp2 (NM_001107759) Rat Untagged Clone
Tag: Tag Free
Symbol: Disp2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213123 representing NM_001107759
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCCGAGGCAAGCCAGAGAGAAGCTGCTCCCTCCACACCTGTCCCCTGGAAGACCAACCGGGG
CTCCGGTACCACCAACAGTTCCACGCTCCAGGCTGTAGACCAACCAGTCCGTTAACAGCTGGCCA
TTTTGCCTTTCCCGAGCGCCTCAAGACTATCAAGAAGGCAGTTCGTTACTAGGATTTGGAGACCAAGCA
TCTCTATGTGCCATGTCTCCAACCTCAACACTTCCATAGACCCCTCTCAGCATGATGGGTCTGGAAGC
CACCTTCTGTGCAGCGCCATGTGGTCAGTGTGAGGCAGGAACGCCTTTCCGGATGCCGAAGAGCTATTC
TCATATGATTGCTGAGTGGCCAATGGCTGTGCTCCTGGGATGTCTGGCCTTCATCTTCTCTGTACCCTA
GCTGGGTGTGGGAAGCCACCGCTTGACTTTTCTGAGCCTTTACTGGTTTTGGAGCCTCGAGACACAG
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TTCCCCAGATCCTGAGGTGAACAGCTCAACCTCCTCAGCACCTGAGCCCTGCAGCCTGGGGCAGGGCC
GAGGAAAGTGTGGTCCGGACCAAGAGGATGGTGGGCCCTGTGGAAGTCAAAGAAGAGGAGAATCTTTT
GTGGTCCCCTGAGAAAAAAGTTCAAAAGTGGTGTTCGTGTCCACCTCTGGGGGAGCCCTGTGAAACCT
GCAAGCCATCCATTCCATGTGTGCATAGAACAGGAGCAGATCCGCTCTCACATCAGCTTTGGGGCTCTG
TGCCAGCGATCAGCAGCCAATGAGTGTGCCCCAGCTGGTCCCTGGGAACTATCTGGCCGTGCTGTCTA
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CACCTTACCACCGTGGTGTCTGGTGCCTGTGTGGGATCTGGGCAGGACAAACCCCATTTTGT
GCCAAGTTCCCGCAAGTGTACCGAAGCAGCGCTGTCTATCAACTCCTGCACTTCTGCTAGACAGAG
ACTTTCTGAGTCCCAGACTGCGGATTACCAGGTGCCCTCCCTCAAGTTCGCCCTGCTCTTCTGCCAT
TATAAAGACCTCCTCTCTTAGACATCACTGGACGGCCTAGGTGACCCGATTAAGTTTCTGATAAC
TACACATCTACAGTGGCATGGACTTGGCCTCAAGCCAGACTATTGAAGTACTACCTAGCAGAAGATA
CCATGTACCCTTGTATCCCTGGTTATCATCTTCTTTGGCATGTCCCTCTACCTGCGTTCACTCTTCAT
CACATTATGTCACTTCTAGGGTGTGGGCTCCCTAATGGTGGCTTTCTTTCTTTACCATGTGGCATT
CGCATGGCCTACTTCCCCTTTGTCAATCTAGCGTCTCTCCTTCTGCTTAGTGGCGTCTGTGTCAATTACA
CACTCATCTTCTCGATTTGTGGCGCCTCAGCAGGGGCCAGGTGCCCTCCGGGGCCTAGCACACCGTGT
GGGCCGTACCATGCACCACTTTGGCTACCTGCTCCTGGTCTCAGGCCTACCACCAGCGCGCCTTCTAC



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GGCAGCTACCTGAGCCGCTGCCACAGTGC GTTGT TTTGCTCTTTTCATGGGCACCGCTGTTCTAGTGC
 ATATGGGACTCACACTGCTCTGGCTTCTGCCACCGTGGTGTCTCCACGAGCGCTACCTGGCACACGGCTG
 TGTGGCCCAAGCGCAGGGCCAGAGGGTGGCAGCGACCCCTGCGGCTGTTGCTGGCGTTGCACAGGCGG
 ATTCGCATTCTTCGAAGATTTTTCCATCCTCTCACGCTGCTCTTCAACGCCTGCTGCCCTGTGGTG
 TCATTAAGTTTCGATACATCTGGATCTGCTGGTTCGCGCGTGGCGGCAGGGGGCGCTACATCGGCGG
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 TTTGAGCGCTTGGATGCAGAGTACCGCCAGATTCTCTGTTTCAAGACCTACCTCCAATGAGGGCGGCA
 ACTTGCCAGTGGTCTGGTGTGGGAATCCTGCCAGTGGACACTAGTGATCCCCTGGACCCCTGCACCAA
 CAGCTCAGTGGTAAGCGATCCTGACTTCTCGCCAGCAGCCCGAGGCCAGGAGTGGCTCCAGGCTCTC
 TGTGAGGGAGCCAGAACCAGAGCTTCTTTGGAGACCAGCCAGAGGGTGGCCTACGCTGTGTTAGTGG
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 AGAATTCCTGGGCCCCAGCTTTACCTGCACTGTCTGAAGATGATGGCTCTGGAGCAAAGTCTGAT
 GGCACACGTGACCTGGGACTCCGCTTCGATTCTCACGGCAACCTAGCAGCTCTAGTTCTGAAGTCCAGA
 CCAACTTACCATACAGTACGGAGTATGGCCAGTCCACATTTCTACACTGAAGTCAAGCCGCTGGCTGTC
 AACAGAGATGAGCAAGGCACCTCTGGGCTCAACAAGGGTGGTTCACCAGCACCTTGGAGCTGTACAGC
 TTACAGCATAGTCTAAGCACAGAGCCTGCCGTGGTGTCTGGTCTGGCTCTGGCACTAGCCTTTGCCACAC
 TGGTGTGGGCACTTGGAACTTCCCCTCAGCCTGTTCTCTGTGGCAGCCGTGGCTGGCACTGTGCTGCT
 CACTGTGGGCTTGTGGTCTTCTTGTAGTGGCAACTCAACTGCCGAGGCCCTCTTCTCTGCTGCTCT
 GTGGGCTCTCTGTAGACTTAACTGTTAACTACTGTATCTCTATCACTTGTGCCCCACCAGACCGCC
 TGAGCCGTGTGGCCTTCTCTTACGTGACAGCAGTCCGGCCACAGCAATGGGACTGGAGTGTGTTTGC
 CTCTGGCGTGATCATGCTGCCTCCACCATACTGCTCTATCGAAAGTGGGCATCATCGTCATGATGGTC
 AAGTTTCTGGCTGTGGCTTGGCAGCTTCTTCTCCAGTCCCTGTGCTGTTCTTGGGCCAGAGAAGA
 ATTTGGGCGAGTCTATGGCCCTGTGCCATCTGCCGTGGGATGCTGGGACTGAGGATCCCGATGAGAA
 GGGCGAACAGGGCCACCAGGGTCTCTGAACACTATGAGTTGCAGCCCTGGCGCGGCCGGAGTCCC
 AGCTTCGACACCAGCACAGCCACCAGCAAGCTTCCCATCGGCCTTCCATACTCTCTGAAGACTGCAGA
 TACACGATGGCAGCTGCTGCCTCCAGCAGCCCAAGTCCCTGTCTCCCCAAGGGATCTGCTCCTGGACCA
 CCAGACAGTCTTCAGCCAGTGTCCAGCCCTGCAGACCTTCTCCATATAAGCAGGTTGGTCTTAACCCC
 CAAACCTGGATCAGGCAAGATCCAGGGACAGAAAAGTGGCCCTTGCAGGCCCTGCCAGAAGGCCCTG
 CCCACTGCCCTAAGCCCAAAGTCTGGAAGAGTCCCTGATGGCCTGTGCTCCTCAGCCAGCACCCCTGGA
 GGGACTCAGCGTCTCAGATGACACCTGTGCCTCTGAGCCAGTGTCCGTGTGCCAGATTCTGTGGGCACC
 TCCCCAGAAGTCTGAATGGCACTGGGCACCCATGCTTGGAGCGGGTCACTGAATGGGAAACGTGACA
 CCCTCTGGCTGGCACTGAAGGAGACCATCTATGACCCAAACATGCCCAATTCTCACACAGCAGCTTGT
 CTGGAAGGGCCGTGGAGGGCCAGGTGATATAAGCCCCGTGGTACTTCCCAACAGTCAAGCAGATCTTCCA
 GATGTTTGGCTCCGTAGGCTTAGCACCTACGCCTCTGGCTACAGCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001107759
- Insert Size:** 4041 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_001107759.2](#), [NP_001101229.2](#)

RefSeq Size: 6549 bp

RefSeq ORF: 4041 bp

Locus ID: 311324

Cytogenetics: 3q35