

## Product datasheet for RN205212

### Ncan (NM\_031653) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ncan (NM_031653) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ncan
Synonyms:	Cspg3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205212 representing NM_031653 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCCGAATCTGTCTGGGCCTCAGGCCTCCTGGTGTGTGGCTGCTTCTCCTAGTGTCTGGGGATC  
AGGACACACAGGACACCACCACCGAAAAGGGCTTCACATGCTGAAGTCGGGGTCAGGACCCATCCA  
GGCTGCTTTGGCAGAGTTAGTGGCCTGCCCTGCTTCTTACCCTCAACCACGGCAAAGCCCCCTGGGA  
GACATTCCTCGGATCAAGTGGACGAAAGTTCAGACTGCATCAGGCCAGCGACAGGATTTGCCAATCTTGG  
TGGCCAAAGACAACGTGGTGCCTGGCCAAAGGGCTGGCAGGGACGGGTGTCATTGCCTGCCTATCCCCG  
GCACAGAGCCAATGCTACACTTCTGTTGGGGCCACTGCGAGCCAGTGACTCTGGGCTGTATCGTGCCAA  
GTGGTGAAGGGTATCGAGGATGAGCAGGACCTGGTAACCCTGGAAGTGACAGGCGTCGTGTTCCATTATC  
GGGCGGCCCGGACCGCTATGCGTTGACCTTCGCTGAGGCCAGGAGGCTTGTACCTGAGCTCCGCTAC  
CATTGCGGCTCCAAGGCACCTGCAGGCTGCGTTCGAAGATGGCTTTGACAACGCGATGCGGGCTGGCTC  
TCAGACCGCACGGTCCGGTACCCGATCACTCAGTCGCGTCCCGTTGCTATGGTGATCGCAGCAGCTGC  
CAGGTGTCCGGAGCTACGGGAGACGCGACCCGAGGAACCTACGATGCTACTGCTTTGCCCGGAGCT  
AGGGGGTGAAGTCTTTTACGTGGGCCCCCGCCGACTGACCCTGGCGGGGCGCGGGCACTGTGTGAG  
CGTCAGGGTGCAGCGCTGGCCTCCGTGGGACAGTTGCACCTGGCCTGGCAGGAGGCTGGACAGTGCG  
ACCCGGGCTGGTGGCAGACGGCAGCGTGCCTACCCGATCCAGACTCCACGGCGGCGTTGCGGGGGCTC  
CGCTCCAGGTGTGCGCACAGTGTACCGCTTCGCCAACCAGCTGGCTTTCCTGCGCCAGGAGCCCGCTTC  
GACGCTACTGCTCCGAGCTATCACCATACACCACAACGTGGAGACTCCGAGATCCCCATCTGGAG  
ATGAGGGGAGATTGTGTGAGCAGAGGGGCCGCCAGCCCCAGAATAAGCCAGATTGGGGGAGCAGGA  
GGTGATAACACCTGACTCCAGGAACCTCTCGTATCCAGTGGAGAAGATGAACCCCTAGATTTGACAAGG  
ACACAAGCATCTCAGGAGACGCTCGCCTACCCAGGGGGTCCCACACTGGCTTCATGGCCCTCTCGGG  
AAAAGTGGCTGCTTACAGGTGTACAAGTCCACGGGTGTCACCCAGCCCCAGCAGCTGGGAGTAGACAT  
GGAAGAGACAACCCCTCAGGCACACAGGTAGCCCCACCCCAATGAGGAGGGGGCGCTTTAAAGGG  
TTGAATGGTGCAGACTTCCAGCAACAGGGCCAGAACAGCTTCTGGAGGCAGCAGAGCCAGTGCC



View online »

AGCCTCCCACCCTGGAAGTTACTGCTGACCACATGGGGCCTTCTGCAGCCACAGAGGCCTTGGAGAGTGA  
 CCAGAGCCACAGTCTTTGGGCCATTCTGACCAATGAAGTGGATGTGCCAGGGGCAGGCTCTCTTGGCAGC  
 AGGAGTCTCCCAGAGTCCCGGAAGTGGTCCCCGTGCGTGATTTACCCAGTACTGTCCCAGCACTGACA  
 GTACTCTGGCCTGAAGCCAGGGGCAGATGAGGCCCTGGTGTGAAGTCAAGTCCACCACCCACCCTG  
 GTTGCCCTCAGAACCCGCTGTCCCATCTCCATCCCTCAGAGGCCCTAAGTGTGTCTCCCTACAGGCA  
 TCCCCTGGTGTGGCTCTCCAGACTTCCCATTGTAGCCATGCTTCGAGCCCCAAACTGTGGCTTCTGC  
 CACACTACACTCGTCCCGAATGTGTCCCAATCCCACCTCTCCCAGCTTCTCCACTCCCCTCCTCGGT  
 CCCAGAAGAACAGGCTGTGACACCTGTGACGCTTTGGAGCAGAAGACCCCGAGACCCCATTTAGACCAC  
 ATGGCTGCCCCAGGTGAAGCCAGCCACGGATCCCCTGAGGCAGACTCCATAGAAATCGAGGGGATCAGT  
 CCATGCAGGCTACAAAGCACCCCATCTCTGGCCATGGGCTTCTTTGGACTCCAGTAATGTGACAGTGAA  
 TCCTGTCCCTTCTGATGTGGCATCCTAGGACTGAGTCTGGGGTCTTGGACTTACCAGGGAGTCCCACA  
 TCAGACGGACAGGCCACTGTGGACAAGGTGTGGCCACCTGGCTACCCTGCCTGGCCACGGACTGGACA  
 CTGGCTCCAGTCCACCCCATGGAAGCCCATGGAGTAACCATGAGTGTGGAACCTACAGTGGCTTTGGA  
 AGGAGGTGCCACCAAGACCCAAATGGAGGCCACCATGGATGTGGTCCCCAGCACTGTTGATGCCACTTCG  
 GGGTCTGAACCCAAAAGTTCCATTTCTAGCACCCATGTGGTTGTGACTGCAGCTGGGACCAGGGCACAC  
 CCACACTGACCCCTACAAGCTCTGAAGGTCAAGTGGTGGCCAGGAGTCACTGGGAACCCCTACCAGTCT  
 GCCTTCTCATCCCTGGTCATCTCTGGCCTCCAGCATGGACGAAGTGGCCTCGGTTTCTCAGGAGAACC  
 ACAGGGTGTGGGACATCCCAGCACTCTGATACCTGTGTCTTTGGGCTTGGATGAATCAGACCTGAAGG  
 TTGTGGCTGAGAGCCAGGCTTGGAGGGCTTCTGGGAAGAGGTGGCCAGTGGCAGGAAGACCCACGGA  
 TCCCTGCGAGAACAACCTTGTCTGCACGGGGCACCTGCCGCACAAATGGCACCATGTACGGCTGTAGT  
 TGTGATCAGGGCTATGCTGGGGAGAATTGTGAAATTGACATTGATGACTGCTTGTGCAGCCCTTGTGAGA  
 ATGGGGGTACCTGCATTGATGAGGTGAATGGTTTCATCTGCCTCTGTCTCCCAGCTATGGGGCAACCT  
 GTGCGAGAAGGACACAGAAGGATGCGACCGTGGCTGGCACAATTCAGGGCCACTGCTACCGCTACTTT  
 GCTCATCGGCGGGCTGGGAGGACGACAGAGAGACTGCAGGCGCCGAGCCGCCACCTGACAAGTGTCC  
 ACTCCCCAGAAGAGCACAAAGTTTATTAACAGTTTTGGACACGAGAATTCATGGATTGGCCTGAATGACAG  
 GACAGTAGAGAGGGACTTCCAGTGGACAGACAACAGGACTGCAATATGAGAACTGGAGAGAGAAGCAG  
 CCGGATAATTTCTTCGAGGTGGGAGGATTGTGTGGTATGGTGGCGCATGAGAATGGACGCTGGAATG  
 ATGTCCCCTGTAACATAACCTCCCCTACGTCTGCAAGAAGGGTACAGTGTGTGGGGCCCCCTCCAGC  
 AGTGGAGAATGCCTCTTGTGGTGTGCGCAAGGTCAAGTACAATGTCCATGCCACTGTGCGATACCAG  
 TGTGATGAAGGATTCTCCAGCACCATGTGGCTACCATCCGATGCCGAAACAATGGGAAGTGGGACCGGC  
 CTCAGATTGTGTGCACCAAGCCAGGCGGTACATCGGATGCGTGCACACCACCACCATCCACACCGGCA  
 TCACAAGCCACGCAAGGAGCACAGAAAACAAGAGACACCCAGCGGAAGACTGGGAGAAAGATGAAGGG  
 GATTTCTGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_031653
- Insert Size:** 3792 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\\_031653.2](#), [NP\\_113841.2](#)

**RefSeq Size:** 5201 bp

**RefSeq ORF:** 3792 bp

**Locus ID:** 58982

**Cytogenetics:** 16p14

**Gene Summary:** chondroitin sulfate proteoglycan that may play a role in cell adhesion and cell migration [RGD, Feb 2006]