

Product datasheet for **MG226608**

Ncam1 (NM_001113204) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncam1 (NM_001113204) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ncam1
Synonyms:	CD56; E-NCAM; Ncam; NCAM-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226608 representing NM_001113204 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGAACTAAGGATCTCATCTGGACTTTGTTTTCTGGAACTGCAGTTTCCCTGCAGGTAGATA
TTGTTCCAGCCAAGGAGAAATCAGCGTTGGAGAGTCCAAATTCCTGTGTCAAGTGGCAGGAGATGC
CAAAGATAAGGACATCTCTGGTTCTCCCCAATGGGGAGAAGCTGAGCCCAAACAGCAGCGGATCTCA
GTGGTGTGGAATGATGACGACTCCTCTACCCTCACCATCTACAACGCCAACATCGACGATGCCGGCATAT
ACAAGTGTGTGGTCACGGCTGAGGACGGCACCCAGTCTGAGGCCACTGTCAACGTGAAGATCTTCCAGAA
GCTCATGTTCAAGAATGCACCAACCCACAGGAGTTTAAGGAAGGGGAGGATGCTGTGATTGTCTGTGAT
GTGGTCAGCTCCCTGCCTCCAACCATCATCTGGAAACACAAAGGCCGAGATGTCATTCTGAAAAAGACG
TCCGGTTCATAGTCTGTCCAACAACACTACCTGCAGATCAGGGGCATCAAGAAAACAGATGAGGGTACTTA
CCGCTGTGAGGGCAGGATCCTGGCCCGCGGGAAATCAACTTCAAGGACATTCAGGTCAATTGTGAATGTA
CCACCCACTGTCCAGGCCAGACAGAGCATCGTGAATGCCACTGCCAACCTGGGCCAGTCTGTACCCTGG
TGTGTGATGCCGATGGCTTCCCAGAGCCACCATGAGCTGGACAAAGGATGGGGAACCCATAGAGAACGA
GGAGGAAGATGACGAGAAGCACATCTTCAGTGTGACAGCTCCGAGCTGACCATCAGGAATGTGGATAAA
AACGACGAGGCCGAATACGTCTGCATCGCAGAGAACAAGGCTGGCGAGCAGGATGCCTCCATCCACCTCA
AGGTCTTTGCAAAGCCAAAATCACCTATGTAGAGAATCAGACGGCCATGGAACCTAGAGGAGCAAGTCAC
CTGACCTGTGAAGCCTCCGGAGACCCCATCCCTCCATCACCTGGAGAACATCCACCCGGAACATCAGC
AGTGAAGAAAAGACTCTGGATGGGCACATGGTGGTTTCGACGCATGCTCGTGTGTCTCCTTGACCTGA
AGAGCATCCAGTACACAGATGCTGGAGAATACATCTGCACTGCCAGCAACACCATCGGCCAGGATCCCA
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TTGGAATTCATCCTTGTTCAAGCAGACACACCGTCTTCTCCATCCATTGACCGGGTGAACCATACTCCA
 GCACAGCGCAGGTGCAGTTTGTAGGCCAGAGGCCACAGGGGGCGTGCCCATCTCAAGTACAAGGCTGA
 GTGGAAGTCGCTGGGCGAAGAATCTGGCATTTCAGTGGTATGATGCCAAAGAAGCCAACATGGAAGGC
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 GGCTGGGCGAGATCAGTGCAGCCACTGAGTTCAGACACAGCCAGTCCGGGAACCCAGTGCACCCAAGT
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 CCGGCAGTGACCAGTCACTGCTCAAGTCCCTGGACTGGAACCGCAGAGTATGAAAGTCTATGTGGTAGCTGA
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 GCCAATGGCAGCCCCACCGCAGGCTGAGCACAGGCGCCATTGTGGGCATCCTCATTGTCATCTTCGTCC
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 AAAGATGAGTCAAAGAACCATTGTGGAGTCCGAACGGAGGAAGAACGGACTCCAACCATGATGGGG
 GGAAGCACACAGAGCCCAACGAGACCACCGCTGACAGAACCCGAGTGCCTGCCGACACCACAGCCAC
 TGTCGAGGACATGCTGCCTTCTGTACCACCGTACCCTAACTCTGACACTATCACCAGAACTTTGCC
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 AAAGTCCGGACCCAGAGCCACCCAGCCTGGCACCGTGAAGAACCACCTGAGGCAGCCACAGCCCTG
 CTAGCCCCGAAGCAAGGCTGCAACCACAAACCTTCCAGGGCGAGGACTTAAAAATGGACGAAGGGAA
 CTTCAAGACCCAGATATTGACCTTGCAAAGGATGTTTTTGCAGCCCTGGGCTCTCCTGCTCCCGCACT
 GGGGCCAGTGGACAAGCCTCTGAGCTTGTCTCCTTCCACTGCAGACAGCGTGTGCCTCCCGCACCAGCAA
 AGACCGAAAAGGGCCCTGTAGAAAACAAGTCTGAGCCCCGGAGTCAAGGCCAAGCCAGCGCCAAGTGA
 AGTCAAGACGGTCCCAACGATGCCACACAAAAGAGAATGAGAGCAAAGCA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226608 representing NM_001113204
 Red=Cloning site Green=Tags(s)

MLRTKDLIWTFLGTAVSLQVDIVPSQGEISVGESKFFLCQVAGDAKDKDISWFSNNGEKLSPNQQRIS
 VVWDDSSSTLIYNANIDDAGIYKCVTAEDGTQSEATVNVKIFQKLMFNAPTQEFKEGEDAIVCD
 VVSSLPTIWKHKGRDILKDVRFIVLSNNYLQIRGIKKTDEGTYRCEGRILARGEINFKDIQVIVNV
 PPTVQARQSIVNATANLQSVTLVCDADGFPEPTMSWTKDGEPIENEEDEKHFISDDSELITIRNVDK
 NDEAEYVCIENKAGEQDASIHKLVFAKPKITYVENQTAMELEEQVTLTCEASGDPIPSITWRTSTRNIS
 SEEKTLDGHMVVRSHARVSSLTKSIQYTDAGEYICTASNTIGQDSQSMYLEVQYAPKLQGPVAVYTWEG
 NQVNITCEVFAYPSATISWFRDQLLPSSNYSNIKIYNTPSASYLEVTPDSENDFGNYNCTAVNRIGQES
 LEFILVQADTPSSPSIDRVEPYSSTAQVQFDEPEATGGVPILKYKAEWKSLGEESWHFKWYDAKEANMEG
 IVTIMGLKPETRYSVRLAALNGKGLGEISAATEFKTQPVREPSAPKLEGMGEDGNSIKVNLIKQDDGGS
 PIRHYLVKYRALASEWKPEIRLPSGSDHVMLKSLDWNAEYEVYVAENQQGKSKAAHFVFRSAQPTAIP
 ANGSPTAGLSTGAIVGILIVIFVLLLVMDITCYFLNKCGLLMCIAVNLCKGKAGPGAKGKDMEEGKAAPS
 KDESKEPIVEVRETEERTPNHDGKHTEPNETTPELPELADTTATVEDMLPSVTTVTNSDTITETFA
 TAQNSPTSETTTLTSSIAPPATTVPDSNSVPAGQATPSKGVTAASSSPASAPKVAPLVDLSDTPTSAPSA
 SNLSSTVLANQGAVLSPSTPASAGETSKAPPASKASPAPTPAGAASPLAAVAAPATDAPQAKQEAPEST
 KGPDPPEPTQPGTVKNPPEAATAPASPKSKAATTNPSQGEDLKMDEGNFKTPDIDLAKDVFAALGSPAPAT
 GASQASELAPSTADSAVPPAPAKTEKGPVETKSEPPSEAKPAPTEVKTVPNDATQTKENESKA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<u>NM_001113204.1, NP_001106675.1</u>
RefSeq Size:	6993 bp
RefSeq ORF:	3348 bp
Locus ID:	17967
UniProt ID:	<u>P13595</u>
Cytogenetics:	9 26.83 cM
Gene Summary:	This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.[UniProtKB/Swiss-Prot Function]