

Product datasheet for **MR208956**

Ndnf (NM_172399) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndnf (NM_172399) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ndnf
Synonyms:	A930038C07Rik; epidermacan
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208956 representing NM_172399
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGCTGTTCTACTGGTGTGCTGTGCCTCCTGTTACCACTCACTTCAAGGACCCAGAAGCTGCCCA
 CCCGAGATGAGGAACCTTTTTCAGATGCAGATCCGGGATAAGGAATTTTTCACGATTCATCTGTGATTCC
 AGATGGAGCTGAAGTCAGCAGTTATCTCTTTAGAGATACACCTAGAAGGTATTTCTTCATGGTTGAGGAA
 GATAACACCCCACTGTCAGTCACAGTGACACCTTGCAGTGACCTTTGGAGTGGAAGCTTAGCCTTCAGG
 AGCTGCATGAGGGGTCCAGTGACAGTGGATCAGGTGACCCAGAATACTTGACCAGCAGAAGCAGCAGAT
 GACTGATGTAGAGGGCACAGAATACTTCTCTACAAGGGCAATGATGTAGAGTATTTCTGTCTTCAAGT
 TCCCCATCTGTTTGTATCAGTTGGAGCTTCTTCAACAGAGAAAGACACACATTTCAAAGTATATGCCA
 CCACCACACCAGAATCTGACCAGCCATACCCTGAATTACCATATGACCCAGAGTTGATGTGACCTCCTT
 TGGACGTACCACAGTCACCTTTGGCTGGAAGCCAAGCCCTACAGCCTCTATATTGAAACAACCCATAGAG
 TACTGTGTGGTCACTCAACAAGGAGCACAAATTTCAAAGCCTCTGTGCAGCAGAAACAAAGATGAATGCAG
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 CTGAAAGGCAACAGGAAAGGAGCATCAAAGCTGAAAATACTGGCGACCAACAGGCCAGTAAAGCATGCAT
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 GGCATGGCTTGGACCCAAAGAAAGGAGAAAGTTTGTATCTACAGAAAGGAAGTGGATGGAAGTACAGT
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 TTTGCAAATACTCCACAGCCAAAACCTGCAGAAAGCAGTGACTACAGAGACAATCAGAGATCTGCAGCC
 TGGGAAGTCTTACCTGCTGGATGTTACGTCGTAGGACATGGGGACACTCTGTGAAGTATCAAAGTAA
 ATTGTGAAAACAAGGAAGTCTGT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208956 representing NM_172399
 Red=Cloning site Green=Tags(s)

MELFYWCLLCLLLPLTSRTQKLPTRDEELFQMQIRDKEFFHDSVIPDGAEVSSYLFRDTPRRYFFMVVEE
 DNTPLSVTVTPCDAPLEWKL SLQELHEGSSADGSGDPELLDQKQKQMTDVEGTELF SYKGN DVEYFLSSS
 SPSGLYQLELLSTEK DTHFKVYATTTPE SDQPYPELPYDPRVDVTSFGRTTVTLAWKPSPTASILKQPIE
 YCVVINKEHNFKSLCAAETKMNADDAFMVAPKPLDFNPFDAHF GFPTDNLGKDRSLLAKPSPKVGRHV
 YWRPKVDIQKICIGNKNIFTVSDLKPDQYFFDVMVNTNTNMSTAYVGA FVRTKEEAKQKTVELKDGRV
 TDVFVKRKGKKFLRFAPVSSHQKVTF F IHSMDAVQVQVRRDGRLLLSQNVEGIRQFQLRGKPKGKYLIR
 LKGNRKGASKLKILATTRPSKHAFPSLPEDTRIKAFDKLRTCSSVTVAWLGTQERRKFCIYRKEVDGNYS
 EDQKRREQNQCLGPDTRKKSEKVLCKYFHSQNLQKAVTTETIRDLQPGKSYLLD VYVVGHGHSVKYQSK
 IVKTRKVC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

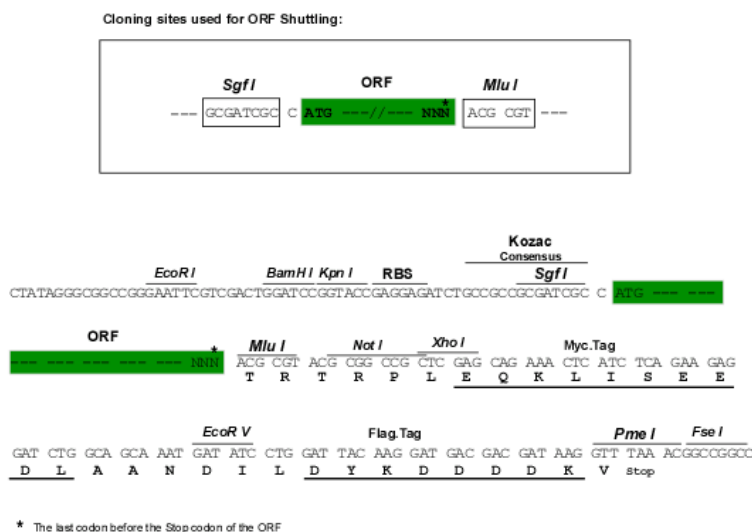
Chromatograms:

https://cdn.origene.com/chromatograms/mm9077_h12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_172399

ORF Size: 1704 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_172399.3, NP_765987.2

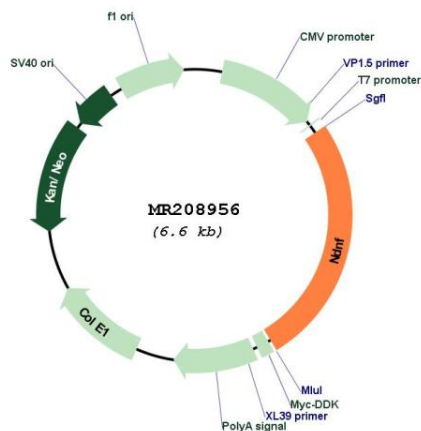
RefSeq Size: 4684 bp

RefSeq ORF: 1707 bp

Locus ID: 68169

UniProt ID:	Q8C119
Cytogenetics:	6 C1
MW:	65.5 kDa
Gene Summary:	Promotes neuron migration, growth and survival as well as neurite outgrowth (By similarity). Promotes matrix assembly and cell adhesiveness. Promotes endothelial cell survival, vessel formation and plays an important role in the process of revascularization through NOS3-dependent mechanisms (PubMed:24706764).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208956