

Product datasheet for **SC317973**

NDNF (NM_024574) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	NDNF
Synonyms:	C4orf31; HH25; NORD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC317973 representing NM_024574.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGCTGCTCCACTGGTGCCTGCTGTGGCTCCTGTTCCACTCAGCTCAAGGACCCAGAAGTTACCC
ACCCGGGATGAGGAACATTTTTCAGATGCAGATCCGGGACAAGGCATTTTTCATGATTCGTCAGTAATT
CCAGATGGAGCTGAAATTAGCAGTTATCTCTTTAGAGATACACCTAAGAGGTATTTCTTTGTGGTTGAA
GAAGACAATACTCCATTATCAGTCACAGTGACGCCCTGTGATGCGCCTTTGGAGTGGAAGCTGAGCCTC
CAGGAGCTGCCAGAGGACAGGAGCGGGGAAGGCTCAGGTGATCTGGAACCTCTTGAGCAGCAGAAGCAG
CAGATCATTAAATGAGGAAGGCACTGAGTTATTCTCTACAAAGGCAATGATGTTGAGTATTTTATATCG
TCTAGTTCCCATCCGGTTTATATCAGTTGGATCTTCTTCAACAGAGAAAGACACATTTCAAAGTA
TATGCCACCACAATCCAGAATCTGATCAGCCATACCCTGAGTTACCCTATGACCCAAGAGTAGATGTG
ACCTCACTGGGGCGCACCACGGTCACTTTGGCCTGGAACCAAGCCCCACTGCCTCTTTGCTGAAACAA
CCCATTCACTACTGTGTGGTCATCAACAAAGAGCACAATTTCAAAGTCTCTGTGCAGTGGAAGCAAAA
CTGAGTGCAGATGATGCTTTTATGATGGCACCGAAACCTGGTCTGGACTTCAGCCCCCTTGACTTTGCC
CACTTTGGATTTCTTCTGATAATTCAGGTAAAGAACGCAGTTTCCAGGCAAAGCCTTCTCCAAAACCTG
GGGCGTCATGTCTACTCCAGGCCCAAGGTTGATATTCAGAAAATCTGCATAGGAAACAAGAATCTTC
ACCGTCTCTGATCTGAAACCCGACACGCACTACTTTGATGTATTTGGTCAACATCAACAGCAAC
ATGAGCACCGCTTATGTAGGTACCTTTGCCAGGACCAAGGAAGCAAGCAACAGAAAGCAGTCGAGCTA
AAAGATGGGAAGATAACAGATGATTTTGTAAAAGGAAGGGAGCAAAGTTTCTACGGTTTGTCCAGTC
TCTTCTACCAAAAAGTCACTTCTTTATTCACCTCTTGTCTGGATGCTGTCCAAATCCAAGTGAGAAGA
GATGGGAACTTCTTCTGTCTCAGAAATGTGAAGGCATTGAGCAGTTTCAGCTTAGAGGAAAACCTAAA
GCTAAATACCTCGTTCGACTGAAAGGAAACAAGAAAGGAGCATCTATGTTGAAAATTCTAGCTACCACA
AGGCCTACTAAGCAGTCATTTCCCTCTCTTCTGAAGACACAAGAATCAAAGCCTTTGACAAGCTCCGT
ACCTGTTCTCAGCCACCGTGGCTGGCTAGGCACTCAGGAAAGGAACAAGTTTGCATCTACAAAAA
GAAGTGGATGATACTACAATGAAGACCAGAAGAAAAGAGCAAAACCAATGTCTAGGACCAGATATA
AGGAAGAAAGTCAGAAAAGGTCTCTGTAAATATTCCACAGTCAAAACCTGCAGAAAGCAGTGACCACA
GAAACAATTAAGGTCTTCAGCCTGGCAAATCTTACCTGCTGGATGTTTATGTCATAGGACATGGGGG
CACTCTGTAAGTATCAGAGTAAGGTTGTGAAACTAGAAAGTTCTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGC
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Restriction Sites:

SgfI-MluI

ACCN:

NM_024574

Insert Size:

1707 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).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_024574.3</u>
RefSeq Size:	2911 bp
RefSeq ORF:	1707 bp
Locus ID:	79625
UniProt ID:	<u>Q8TB73</u>
Cytogenetics:	4q27
Domains:	FN3
MW:	64.7 kDa
Gene Summary:	Promotes matrix assembly and cell adhesiveness (By similarity). Promotes neuron migration, growth and survival as well as neurite outgrowth (PubMed:20969804). 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]