

Product datasheet for **SC319587**

NDNF (NM_024574) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDNF (NM_024574) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDNF
Synonyms:	C4orf31; HH25; NORD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024574.3

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GTGCGACTAGCGGCGGCCGCGAAGCCCGCGCCAGCCCCGCGGGTCGCTGCGGCATCCTC
CCGCGCGCCAGCCCCGCGACGCTCCCTGCAGTTTAAAAGGACCTCCCGCCGCTTCTCGGC
GCTGCCCCGGGATTCCCCAGCCCCGCGCGGCTCCCTACTCCACTTCGCAGCAACTTCGGC
GACCGCGCGCCCGCCGCGCTCGCCCGCCTTTGAAGTTTGTGTGCCGACCGCAAAGTTGG
GACACTTCAGCGGATTGAATTTTTCTCTTTATCTGCCTCCGTCGCCCGCCCTCCAGGCTT
CTCGTTCCTGGATATTGGTGCTTAGCATCTTGGCAGGGTCCGGGGACGTGGACTATTTTCG
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AGGATGGTGCTGCTCCTAGTGGTCTGTGGTCTCTGTTTCCACTCAGCTCAAGGACC
CAGAAGTTACCCACCGGGATGAGGAACTTTTTCAGATGCAGATCCGGGACAAGGCATTT
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AGCGGGGAAGGCTCAGGTGATCTGGAACCTCTTGAGCAGCAGAAGCAGCAGATCATTAAT
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CGACTGAAAGGAAACAAGAAAGGAGCATCTATGTTGAAAATTCTAGCTACCACAAGGCCT
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CAATGTCTAGGACCAGATATAAGGAAGAAGTCAGAAAAGGTCTCTGTAATATTTCCAC
AGTCAAAACCTGCAGAAAGCAGTGACCACAGAAACAATTAAGGTCTTCAGCCTGGCAAA
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CATTGCACACACCCACAAATGCAAATCATTCTCTCTATAGATGCTAGGATATATATAAA
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TTATATTGCTATTGTAATCTTGTGTTGTTGAGTAAATGTTAAATACTATATGTATCT
CATGTACAAAGTTGACATACATTATTCATGTACATAAAATTAAGAGATTAGATTATA
TACTGTTAAAAA

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Restriction Sites: Please inquire

ACCN: NM_024574

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.
RefSeq:	<u>NM_024574.3</u> , <u>NP_078850.3</u>
RefSeq Size:	2911 bp
RefSeq ORF:	1707 bp
Locus ID:	79625
UniProt ID:	<u>Q8TB73</u>
Cytogenetics:	4q27
Domains:	FN3
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]