

Product datasheet for **SC320194**

NDE1 (NM_017668) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDE1 (NM_017668) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDE1
Synonyms:	HOM-TES-87; LIS4; MHAC; NDE; NUDE; NUDE1
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_017668.1
 GCACCGCCCTTCGACGCCGCTCTGCCGCCGCCGCGTTGGCCTCGCCGCCCTGCTC
 GGACACCATGCCACAAGGAGAGTGATCTCTCCCTGTTTTACAATGGAGGACTCCGGA
 AAGACTTTCAGCTCCGAGGAGGAAGAAGCTAATTATTGAAAGATCTGGCGATGACCTAC
 AAACAGAGGGCAGAAAATACGCAAGAGGAAGTCCGAGAATTCCAGGAGGGAAGCCGAGAA
 TATGAAGCTGAATTGGAGACGAGCTGCAACAAATTGAAACCAGGAACAGAGACCTCCTG
 TCCGAAAATAACCGCCTTCGCATGGAGCTGGAACCATCAAGGAGAAGTTTGAAGTGCAG
 CACTCTGAAGGCTACCGGCAGATCTCAGCCTTGAGGATGACCTCGCGCAGACCAAAGCC
 ATTAAGACCAATTGCAGAAATACATCAGAGAGCTGGAGCAAGCAAATGACGACCTGGAA
 AGAGCCAAGCGCGCCACGATCATGTCTCTGAAGACTTTGAGCAGCGCTTGAATCAGGCC
 ATCGAAAGAAATGCCTTCTGGAAAGTGAAGTTGATGAAAAGAGAATCTCCTGGAATCT
 GTTCAGAGACTGAAGGATGAAGCCAGAGATTGCGGCAGGAAGTGGCCGTGCAGCAGAAG
 CAGGAGAAACCCAGGACCCCATGCCAGCTCAGTGAAGCTGAGAGGACAGACAGCT
 GTGCAGGCCACGGGCTCCGTGCCGTCCAGCCCATTGCTACCGAGGACCCAGCTCAAGT
 TTAACACACCTGGGAGCTTCAGACGTGGCCTGGACGACTCCACGGGGGACCCCTC
 ACACCTGCGGCCCGGATATCAGCCCTCAACATTGTGGGAGACCTACTGCGAAAGTCGGG
 GCACTGGAGTCCAACTCGCTTCTGCCGGAACCTCGTGTACGATCAGTCCCAAAACCGA
 ACAGGTGGCCAGCCTCTGGGCGGAGCAGCAAGAACAGAGATGGCGGGGAGAGACGGCCA
 AGCAGCACCGAGTGCCTTTGGGTGATAAGGGGTGGACACGAGTTGCCGCTGGTTGTCC
 AAATCAACAACAGGTCGTCCAGCTCCTGCTGAAGCCTGTTCTTGGTCTTTCCAGTTTA
 TCATAAGCGGCCGCTTCTCCTCGTACTGCTGGGTGAGTTCTCGATCTCCTTCTGGAAC
 CTCTTCTTCCCTCTTCCAGAGCTTCCACGGTGTGGCAAAGTCTGCAGCTTCTTCTTC
 GAGTCGGAGAGCTACAAGGACAGCGTCCAGGGTAGGGTGAGAGGGGGACCATGAGTGGCC
 CCTGTCCCTGGCCCAACAGACTCTGAGAAGCGAAGACCATGTCTCCTCGTTGGAGAAAC
 CAATAGCAGGGGAAGCTGGGGGTCAAGCACCATCGCACCAACACTCCACCGCATCTGC
 CTGCGGGGATCTCAGCGCAGAGAAGTTGAGAGGACCATGAAGGAAGCAAGGACACGGG
 GCAGGCACCTGGATGTTGAGAGTGGAGATGTGGCGCTCCAGGTTCTGCTTGGCCTCCATC
 TCCTCGTCCAGCTGGTCTTGACGGCTGTTCCGCTCCTCCTCCAGCTGGCGCAGCTTCGTA
 GACACGTTGAGCTTCTGCCGGGTTTCTTCTTGAAGCAGCTCTGCAAAAGGGATGCAAG
 AGGTCCCAGGGACCTGCCCCGAGGAAGGCCACCCCCAGGTCCCCTGGATGATGTGGCAG
 GACACTCACCTGGGTGTCTGGAGCTGGGAAGTGAAGGACGCCACGTCTTGGCCAGCTT
 AATGGCCTTCCCCTCGGCCCTCGTTAAGCATCCCTGTGACGCTCTCAACTTCATTCTAAGG
 GTGCCAAGAGACTGGTTAGTCAAAGCCTCTAGAAGGGATCCTCGTTGAAAGGAGCCCTT
 TTTACTCAAAACACATGGGCTAGTACTTGAGGTGTTCACTGATTGAGAAAATACCCGTGA
 GGTATGGGACTCTGATAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_017668

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_017668.1, NP_060138.1</u>
RefSeq Size:	1997 bp
RefSeq ORF:	1008 bp
Locus ID:	54820
UniProt ID:	<u>Q9NXR1</u>
Cytogenetics:	16p13.11
Domains:	NUDE_C
Gene Summary:	This gene encodes a member of the nuclear distribution E (NudE) family of proteins. The encoded protein is localized at the centrosome and interacts with other centrosome components as part of a multiprotein complex that regulates dynein function. This protein plays an essential role in microtubule organization, mitosis and neuronal migration. Mutations in this gene cause lissencephaly 4, a disorder characterized by lissencephaly, severe brain atrophy, microcephaly, and severe cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.