

## Product datasheet for **RC227919L3V**

### NDE1 (NM\_001143979) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	NDE1 (NM_001143979) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NDE1
Synonyms:	HOM-TES-87; LIS4; MHAC; NDE; NUDE; NUDE1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001143979
ORF Size:	1005 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227919).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001143979.1</a> , <a href="#">NP_001137451.1</a>
RefSeq Size:	3936 bp
RefSeq ORF:	1008 bp
Locus ID:	54820
UniProt ID:	<a href="#">Q9NXR1</a>
Cytogenetics:	16p13.11
MW:	37.7 kDa


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**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]