

Product datasheet for **SC308192**

NT2NL (NOTCH2NL) (NM_203458) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT2NL (NOTCH2NL) (NM_203458) Human Untagged Clone
Tag:	Tag Free
Symbol:	NT2NL
Synonyms:	N2N; NOTCH2NL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene ORF sequence for NM_203458 edited</p> <p>ATGTGTGTTACCTACCACAATGGCACAGGATACTGCAAATGTCCAGAAGGCTTCTTGGGG GAATATTGTCAACATCGAGACCCCTGTGAGAAGAACCGCTGCCAGAATGGTGGGACTTGT GTGGCCCAGGCCATGCTGGGGAAGCCACGTGCCGATGTGCCTCAGGGTTTACAGGAGAG GACTGCCAGTACTCGACATCTCATCCATGCTTTGTGTCTCGACCTTGCCTGAATGGCGGC ACATGCCATATGCTCAGCCGGGATACCTATGAGTGCACCTGTCAAGTCGGGTTTACAGGT AAGGAGTGCCAATGGACCGATGCCTGCCTGTCTCATCCCTGTGCAAATGGAAGTACCTGT ACCACTGTGGCCAACCAAGTTCTCCTGCAAATGCCTCACAGGCTTCACAGGGCAGAAGTGT GAGACTGATGTCAATGAGTGTGACATTCCAGGACACTGCCAGCATGGTGGCATCTGCCTC AACCTGCCTGGTTCCTACCAGTGCCAGTGCCTTCAGGGCTTCACAGGCCAGTACTGTGAC AGCCTGTATGTGCCCTGTGCACCCTCGCCTTGTGTCAATGGAGGCACCTGTCGGCAGACT GGTGACTTCACTTTTGTGCAACTGCCTTCCAGAAACAGTGAGAAGAGGAACAGAGCTC TGGGAAAGAGACAGGGAAGTCTGGAATGGAAAAGAACACGATGAGAATTAG</p>
Restriction Sites:	Please inquire
ACCN:	NM_203458
Insert Size:	1200 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:	It is not a variant.


[View online »](#)

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:	<ol style="list-style-type: none"> 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_203458.2, NP_982283.2</u>
RefSeq Size:	5324 bp
RefSeq ORF:	711 bp
Locus ID:	388677
UniProt ID:	<u>Q7Z3S9</u>
Cytogenetics:	1q21.1
Gene Summary:	<p>Human-specific protein that promotes neural progenitor proliferation and evolutionary expansion of the brain neocortex by regulating the Notch signaling pathway (PubMed:29856954, PubMed:29856955, PubMed:29561261). Able to promote neural progenitor self-renewal, possibly by down-regulating neuronal differentiation genes, thereby delaying the differentiation of neuronal progenitors and leading to an overall final increase in neuronal production (PubMed:29856954). Acts by enhancing the Notch signaling pathway via two different mechanisms that probably work in parallel to reach the same effect (PubMed:29856954). Enhances Notch signaling pathway in a non-cell-autonomous manner via direct interaction with NOTCH2 (PubMed:29856954). Also promotes Notch signaling pathway in a cell-autonomous manner through inhibition of cis DLL1-NOTCH2 interactions, which promotes neuronal differentiation (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes isoform 1. 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.</p>