

Product datasheet for **SC325670**

NOTO (NM_001134462) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOTO (NM_001134462) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOTO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325670 representing NM_001134462. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCCTAGCCCCAGGCCGCGAGGCAGCCCGCCACCCGCTCCCTCGGGCTCTCGGGTCCGACCTCCGCGC
 TCTGGCCGCTCTCCGGCGCCAGGTCCCTACTGGCCCGAACACGCCCGCGCTCCCGGACGCTTCGAG
 TCCCTTTCTCGGTGAGGCCATCTGGCGAGGCCCGACCCCTGCGCGCCGGCGGCTCCAGCCGTCG
 GGCTCCGCTGCGTCCACCCGGCCTTCTGGACCGCTGCTCCCTGTGCGCCACCGGGGTCTGCCCTGG
 GCTTGGCCGACATCGTGGCTGCCCGCTACCTGAGCGTAGGTTTTACCTGTGCCAGGGCCGCGCTG
 GCTCCCGTCTGCGGCTGCTGGGCTTCGGCGTCACAGGGTTGGAGCTGGCTCACTGCTCAGGACTCTGG
 GCCTTCCAGACTGGGCCCAACGGAGGACCTACAGGACACTGAGAGACAGCAAAAGAGAGTCCGAAT
 ATGTTAACTTGAGCAGCTGGAAGAGTTGGAGAAAGTGTGCAAAACAGCACAATCTGGTGGGAAG
 AAGAGAGCCAGCTGGCAGCTCGGCTCAAACCTACAGAGAACCAGGTGAGAGTCTGGTCCAGAACC
 AGGGTCAAGTATCAGAAGCAGCAAAAGCTGAGGGCAGCAGTTACATCTGCCGAGGCTGCCTCCCTGGAT
 GAGCCTTCCAGCAGCTCCATCGCCAGTATCCAGAGTGATGATGCCGAGTCAGGAGTGACGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001134462
Insert Size:	756 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).


[View online »](#)

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:	<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_001134462.1</u>
RefSeq Size:	1448 bp
RefSeq ORF:	756 bp
Locus ID:	344022
UniProt ID:	<u>A8MTQ0</u>
Cytogenetics:	2p13.2
MW:	27 kDa
Gene Summary:	Transcription regulator acting downstream of both FOXA2 and Brachyury (T) during notochord development. Required for node morphogenesis. Is essential for cilia formation in the posterior notochord (PNC) and for left-right patterning; acts upstream of FOXJ1 and RFX3 in this process and is required for the expression of various components important for axonemal assembly and function. Plays a role in regulating axial versus paraxial cell fate. Activates the transcription of ciliary proteins C11orf97 homolog, FAM183B and SPACA9 in the embryonic ventral node (By similarity).[UniProtKB/Swiss-Prot Function]