

Product datasheet for **SC111183**

NUDT6 (NM_198041) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT6 (NM_198041) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUDT6
Synonyms:	ASFGE2; FGF-AS; FGF2AS; GFG-1; GFG1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111183 sequence for NM_198041 edited (data generated by NextGen Sequencing)

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ATGTGGAAGTTTCCAGGAGGCCTGTCAGAGCCTGAAGAAGATATTGGAGACACAGCGGTT
CGAGAAGTTTTTGAAGAGACTGGTATAAAATCAGAATTCAGGTCCGTCCTGAGTATTCGG
CAACAGCACACAAATCCTGGAGCTTTTGGGAAGTCAGATATGTATATCATCTGCCGCCTA
AAGCCATATTCATTACCATAAAATTTTTGCCAGGAAGAATGCTTAAGATGTGAGTGGATG
GATCTCAATGACCTGGCGAAGACTGAAAAACAACCTCCCATCACCAGCAGAGTTGCTAGG
CTGCTGCTGTATGGGTACAGAGAAGGGTTTGACAAAATTGACCTGACTGTGGAAGAACTT
CCAGCAGTTTACACAGGACTGTTTTATAAACTCTATCATAAGGAAGTCCAGAGAATTAT
AAAACATGAAAGGAATTGATTA
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Clone variation with respect to NM_198041.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198041 unedited GATATTTGTATACGAACTCACTATAGGCGGCCGCGACATTCGGCACGAGGAGCCGCTGAG CTGGGGCCGCTGGCGCGCGATGCTTGCCCGAACCTACGGCCCCGGGCCTTCGGCGGGTTA CCGCTGGGCTCGGGCGCACAGGGTTACGTGCGGAATCCGCCAGTTGGAGCGTGCGATCT GCAGGGCGAGCTGGACAGATTCGGGGGCATCTCGGTGCGCCTGGCGCGGCTCGATGCGCT GGACCGCCTGGACGCTGCCGCCCTCCAGAAGGGCTTGCAGGCTGCAGTACAGCAATGGCG ATCAGAAGGTAGAACAGCTGTATGGCTGCACATTCATCCTCCAAAGCCGATTTATTGC CCCTGCTGCTTCCCTGGGCTTCCGCTTTACCACGCAGAATCGGATTCATCAACGTTGAC TCTGTGGCTGAGAGAAGGGCCCAGCAGATTACCAGGATATGCTTACATCAAGTAGGAGT TGCAGGAGCTGTATTTGATGAAAGTACTAGAAAAATACTGGTTGTACAAGATCGAAATA AATTGAAAAATATGTGGAAGTTTCCAGGAGGCCTGTCAGAGCCTGAAGAAGATATTGGAG ACACAGCGGTTTCGAGAAGTTTTTGAAGAGACTGGTATAAATAGAATTTCCAGGTCCGTCCT GAGTATTCGGCAACAGCACACAATCCTGGAGCTTTGGGGGAGTCAGATATGTATATCATC TGGCCGCTAAGCCATATTCATTCACATANATTTTTGCCAGAAGAATGCTTAGATAGGAAT GGGATGGGATCTCATGACCTGGCGAGACTGAAATACACTCCATCACANCNAGTGCTAGGT GTGTGGGATGGTCCCAAAAAGAGGGTTGACAAATGACCTGCTGGGGAACTTCCCCAGT ACCAA
Restriction Sites:	NotI-NotI
ACCN:	NM_198041
Insert Size:	4540 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).
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:	NM_198041.1 , NP_932158.1
RefSeq Size:	1077 bp
RefSeq ORF:	444 bp
Locus ID:	11162
UniProt ID:	P53370
Cytogenetics:	4q28.1

Gene Summary:

This gene overlaps and lies on the opposite strand from FGF2 gene, and is thought to be the FGF2 antisense gene. The two genes are independently transcribed, and their expression shows an inverse relationship, suggesting that this antisense transcript may regulate FGF2 expression. This gene has also been shown to have hormone-regulatory and antiproliferative actions in the pituitary that are independent of FGF2 expression. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream, in-frame start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a.