

Product datasheet for SC315525

NUDT6 (NM_007083) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT6 (NM_007083) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUDT6
Synonyms:	ASFGF2; FGF-AS; FGF2AS; GFG-1; GFG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315525 representing NM_007083. Blue=Insert sequence Red=Cloning site Green=Tag(s)

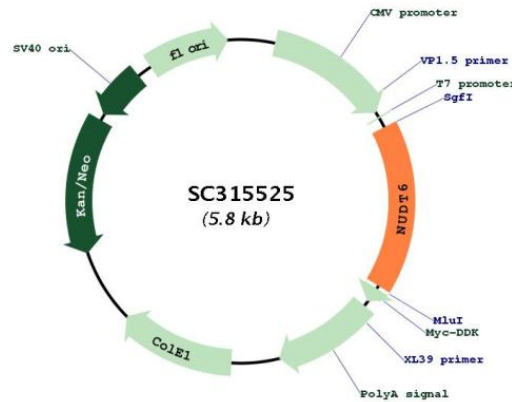
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGCAGCCACTGAGCTGGGGCCGCTGGCGCGGATGCTTGCCGAACCTACGGCCCCGGCCTTCG
GCGGGTTACCGCTGGGCCTCGGGCGCACAGGGTTACGTGCGGAATCCGCCAGTTGGAGCGTGCGATCTG
CAGGGCGAGCTGGACAGATTCGGGGGCATCTCGGTGCGCCTGGCGCGGCTCGATGCGCTGGACCGCCTG
GACGCTGCCGCCCTCCAGAAGGGCTTGCAGGCTGCAGTACAGCAATGGCGATCAGAAGGTAGAACAGCT
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CACCACGCAGAATCGGATTCATCAACGTTGACTCTGTGGCTGAGAGAAGGGCCAGCAGATTACCAGGA
TATGCTTCACATCAAGTAGGAGTTGCAGGAGCTGTATTTGATGAAAGTACTAGAAAAATACTGGTTGTA
CAAGATCGAAATAAATTGAAAAATATGTGGAAGTTTCCAGGAGGCTGTGAGAGCCTGAAGAAGATATT
GGAGACACAGCGGTTTCGAGAAGTTTTTGAAGAGACTGGTATAAAATCAGAATTCAGGTCCGTCCTGAGT
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CCATATTCATTCACCATAAAATTTTCCAGGAAGAATGCTTAAGATGTGAGTGGATGATCTCAATGAC
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CTCTATCATAAGGAAGTCCAGAGAATTATAAACTATGAAAGGAATTGATTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_007083

Insert Size: 951 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: 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: [NM_007083.4](#)

RefSeq Size: 1197 bp

RefSeq ORF: 951 bp

Locus ID: 11162

UniProt ID: [P53370](#)

Cytogenetics: 4q28.1

Domains: NUDIX

MW: 35.7 kDa

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 (1) represents the longer transcript and encodes the longer isoform (a).