OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG214520

NUDT6 (NM_198041) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT6 (NM_198041) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NUDT6
Synonyms:	ASFGF2; FGF-AS; FGF2AS; GFG-1; GFG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG214520 representing NM_198041
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGCAGCCGCTGAGCTGGGGCCGCTGGCGCGCGATGCTTGCCCGAACCTACGGCCCCGGGCCTTCGG
CGGGTTACCGCTGGGCCTCGGGCGCACAGGGTTACGTGCGGAATCCGCCAGTTGGAGCGTGCGATCTGCA
GGGCGAGCTGGACAGATTCGGGGGCATCTCGGTGCGCCTGGCGCGGCTCGATGCGCTGGACCGCCTGGAC
GCTGCCGCCTTCCAGAAGGGCTTGCAGGCTGCAGTACAGCAATGGCGATCAGAAGGTAGAACAGCTGTAT
GGCTGCACATTCCCATCCTCCAAAGCCGATTTATTGCCCCTGCTGCTTCCCTGGGCTTCTGCTTTCACCA
CGCAGAATCGGATTCATCAACGTTGACTCTGTGGCTGAGAGAAGGGCCCAGCAGATTACCAGGATATGCT
TCACATCAAGTAGGAGTTGCAGGAGCTGTATTTGATGAAAGTACTAGAAAAATACTGGTTGTACAAGATC
GAAATAAATTGAAAAATATGTGGAAGTTTCCAGGAGGCCTGTCAGAGCCTGAAGAAGATATTGGAGACAC
AGCGGTTCGAGAAGTTTTTGAAGAGACTGGTATAAAATCAGAATTCAGGTCCGTCCTGAGTATTCGGCAA
CAGCACACAAATCCTGGAGCTTTTGGGAAGTCAGATATGTATATCATCTGCCGCCTAAAGCCATATTCAT
TCACCATAAATTTTTGCCAGGAAGAATGCTTAAGATGTGAGTGGATGGATCTCAATGACCTGGCGAAGAC
TGAAAATACAACTCCCATCACCAGCAGAGTTGCTAGGCTGCTGCTGTATGGGTACAGAGAAGGGTTTGAC
AAAATTGACCTGACTGTGGAAGAACTTCCAGCAGTTTACACAGGACTGTTTTATAAACTCTATCATAAGG
AACTGCCAGAGAATTATAAAACTATGAAAGGAATTGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

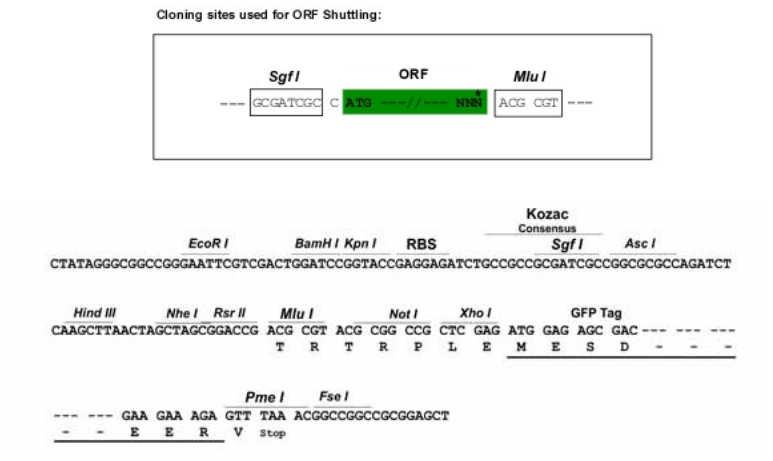
>RG214520 representing NM_198041
Red=Cloning site Green=Tags(s)

MRQPLSWGRWRAMLARTYGPGPSAGYRWASGAQGYVRNPPVGACDLQGELDRFGGISVRLARLDALDRLD
AAAFQKGLQAAVQQWRSEGRTAVWLHIPILQSRFIAPAASLGFCFHHAESDSSTLTLWLREGPSRLPGYA
SHQVGVAGAVFDESTRKILVVQDRNKLKNMWKFPGGLSEPEEDIGDTAVREVFEETGIKSEFRSVLSIRQ
QHTNPGAFGKSDMYIICRLKPYSFTINFCQEECLRCEWMDLNDLAKTENTTPITSRVARLLLYGYREGFD
KIDLTVEELPAVYTGLFYKLYHKELPENYKTMKGID

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198041

ORF Size: 948 bp

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. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_198041.1, NP_932158.1

RefSeq Size: 1077 bp

RefSeq ORF: 444 bp

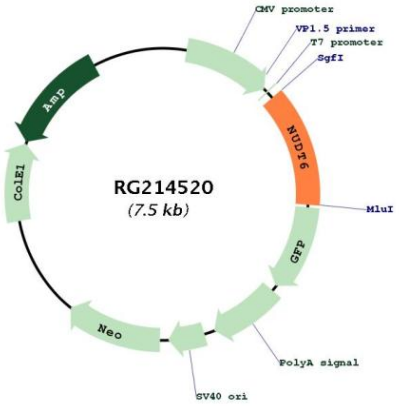
Locus ID: 11162

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]

Product images:



Circular map for RG214520