

Product datasheet for **RG213204**

NXT2 (NM_018698) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	NXT2
Synonyms:	PI5-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG213204 representing NM_018698
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAAAAACAGAAGCCACTGGTCTCAGGGAGACAGAGAACGATACCAAAGAAGAAGTAAGTATTATG
AGGGGCCACACACCAGCCACTCAAGCCCTGCGGACCGGACACGTGAGGAGGTAGTGACGCCGACACTGCC
AGAACACACTGCTACAAGGTCCAGATGGCCACGTCTCTGGATTTAACTTATGTAGATCAGGCATGT
AGAGCTGCTGAGGAGTTTGTCAATATTTACTATGAGACAATGGATAAAAGAAGACGGGCACTAACAGGC
TGTATCTGGACAAGGCCACCTTAATATGGAATGGAAATGCTGTTTCAGGGCTGGATGCCCTAAATAATTT
TTTTGACACATTGCCTTCTAGTGAGTTCAGGTCAATATGTTAGATTGCCAACCAGTTCATGAGCAAGCA
ACTCAGTCCAACTACAGTTCTTGTGTGACCAGTGGAAGTTGATGGAACAAACAACATT
TCTTCAACCAGAACTTCTGCTGACTGCTCAGTCCACTCCCAACAATACTGTGTGAAGATTGCAAGTGA
TTGCTTCGTTTTCAAGATTGGTCTAGTAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213204 representing NM_018698
Red=Cloning site Green=Tags(s)

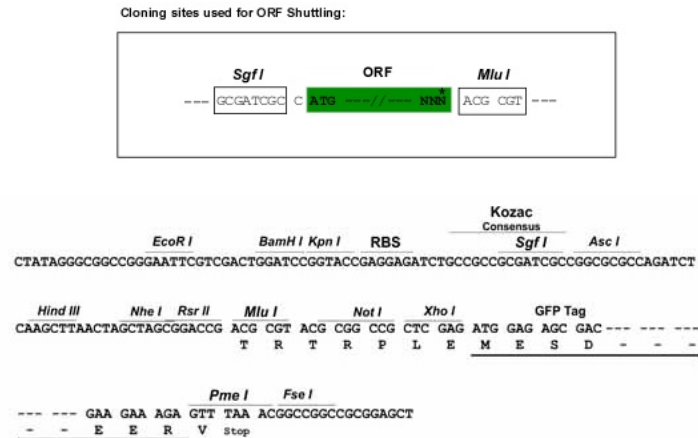
MRKYRSHWSQGDREYQRRSNYYEGPHTSHSSPADRTREEVVTPTLPEHTATRSQMATSLEDFKTYVDQAC
RAAEFVNIIYYETMDKRRRLRLYLKATLIWNGNAVSGLDALNNFFDTLPSEFQVNMMLDCQPVEQA
TQSQTTLVVTSGTVKFDGNKQHFFNQNFLLTAQSTPNNTVWKIASDCFRFQDWSSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_018698

ORF Size: 591 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018698.5](#)

RefSeq Size: 2692 bp

RefSeq ORF: 594 bp

Locus ID: 55916

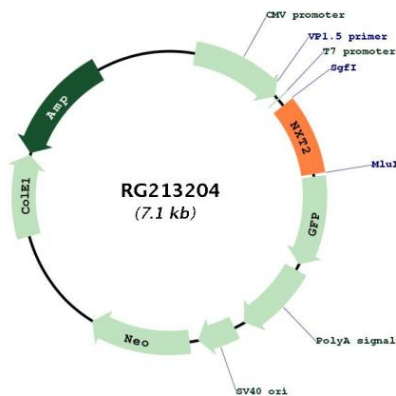
UniProt ID: [Q9NPJ8](#)

Cytogenetics: Xq23

Domains: NTF2

Gene Summary: The protein encoded by this gene contains a nuclear transport factor 2 (NTF2) domain, which plays an important role in the trafficking of macromolecules, ions, and small molecules between the cytoplasm and nucleus. This protein may also have a role in mRNA nuclear export. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jun 2011]

Product images:



Circular map for RG213204