

Product datasheet for **RC231804**

NXT2 (NM_001242617) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NXT2 (NM_001242617) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NXT2
Synonyms: P15-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231804 representing NM_001242617
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCCACGTCTCTGGATTTTAAAACCTTATGTAGATCAGGCATGTAGAGCTGCTGAGGAGTTTGTCAATA
TTTACTATGAGACAATGGATAAAAGAAGACGGGCACTAACCAGGCTGTATCTGGACAAGGCCACCTTAAT
ATGGAATGGAAATGCTGTTTCAGGGCTGGATGCCCTAAATAATTTTTTGGACACATTGCCTTCTAGTGAG
TTCCAGGTCAATATGTTAGATTGCCAACCAGTTCATGAGCAAGCAACTCAGTCCCAAACCTACAGTTCTTG
TTGTGACCAGTGGAAGTGTGAAGTTTGATGGAACAAACAACATTTCTTCAACCAGAACTTCCTGCTGAC
TGCTCAGTCCACTCCCAACAATACTGTGTGGAAGATTGCAAGTGATTGCTCCGTTTTCAAGATTGGTCT
AGTAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231804 representing NM_001242617
Red=Cloning site Green=Tags(s)

MATSLDFKTYVDQACRAAEFVNIIYYETMDKRRRALTRL YLDKATLIWNGNAVSGLDALNNFFDTLPSS
 FQVNMLDCQPVEQATQSQTTLVVTSGTVKFDGNKQHFFNQNFLLTAQSTPNNTVWKIASDCFRFQDWS
 SS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM_001242617

ORF Size: 426 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_001242617.2](#)

RefSeq Size: 2623 bp

RefSeq ORF: 429 bp

Locus ID: 55916

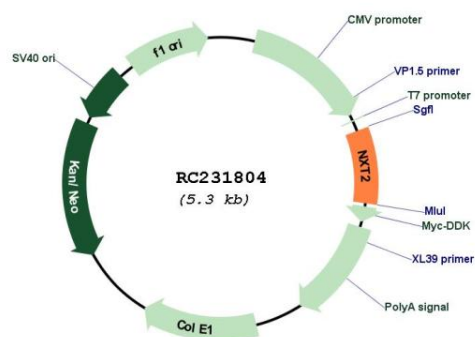
UniProt ID: [Q9NPJ8](#)

Cytogenetics: Xq23

MW: 16.7 kDa

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 RC231804