

Product datasheet for **RC213702**

ZNF620 (NM_175888) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF620 (NM_175888) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF620
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC213702 ORF sequence, **codon optimized**.
 Due to the complexity of NM_175888, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTTCCAGACAGCCTGGCGCAAGAGCCAGTAACATTCGAGGATGTGGCTGTATTTTACACAGAACG
 AATGGGCTAGCCTTGATAGCGTGCAGCGCGCCCTGTACAGGGAGGTAATGCTGGAGAACTACGCGAATGT
 TGCAAGCCTGGCCTTTCCTTTCACTACCCCGTCTTGGTGAGCCAGCTCGAACAGGGCGAGCTTCCCTGG
 GGATTGGATCCATGGGAACCTATGGGCCGGGAGGCTCTCCGGGTATTTGCCAGGAGACGAGGCTCGCA
 CCGAAAAGGAGGGCTGACACCGAAAGACCACGTGAGTAAAGAACTGAGAGCTTTAGGCTGATGGTGGG
 TGGCTTCTCTGGAATGTGTCCAGCACCTCGATTTCCGGTCAAGCCTGGAGCAGCTCAGGGACACTGG
 ATCATCAAGACCAAGAGCAAGCGGCGCCACTTCACCGACACCTCTGCCCGCACCATGAAGCATACGAAG
 TCAAGAACGGCGAAAAGTTTGAAGAACTGGGAAAAATATTAGTGTGTCTACTCAGTTGACTACTAACCA
 GACAAATCCAAGCGGCAGATCTCTACGAATGCGGCCAATGCGGGAGGTACTTTATCCAGATGGCTGAT
 TTTACCGGCATGAGAAGTGCATACCGGTGAGAAGTCTTTGAATGCAAGAGTGTGGAAAATACTTCC
 GATACAATAGTCTTCTGATCAGGCATCAGATAATCCACACTGGCAAGAAGCCGTTCAAGTGCAAGAAGT
 TGGCAAAGGACTCTCAAGCGATACGGCCTTGATCCAACACCAGAGAATACACACAGGGGAAAAACCGTAT
 GAATGTAAGGAATGCGGAAAGGCTTTTCAAGTAGCTCTGTGTTCTGCAACATCAGAGGTTTCACACCG
 GGGAGAAGCTGTACGAATGCAACGAGTGTGGAACGTTTCAAGTGCAGTCCAGCTTTACTGTTACCA
 GCGGATGCATACAGGAGAGAAACCTACAGTGAAGGAGTGCAGCAAGAGGCTCTCTCTAACACTGCA
 TTGACGCAGCACCAACGAATCCATACCGCGAAAAGCCTTTGAATGTAAGAATGCGGAAAAGCATTTA
 ACCAGAAAATCACCTCATCCAGCATCAGCGGTGCACACAGGTGAAAAGCCCTATGAATGCAAGGTGTG
 CGGAAAACCTTTAGCTGGTGGCGCAGATTCATCTGCATCAGAACTGCACACCCAGAAGACTCCTGTA
 CAGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213702 representing NM_175888
 Red=Cloning site Green=Tags(s)

MFQTAWRQEPVTFEDVAVYFTQNEWASLDSVQRALYREVMLENYANVASLAFPFTTPVLVSQLEQGELPW
 GLDPWEPMGREALRGICPGDEARTEKEGLTPKDHVSKETESFRLMVGGLPGNVSQHLDFGSSLEQPQGHW
 IIKTKSKRRHFTDTSARHHEAYEVKNGEKFEKLGNISVSTQLTTNQTNPSTGQISYECGQCGRYFIQMA
 FHRHEKCHTGEKSFECCKGKYFRYNSLLIRHQIHTGKPKFKCECGKGLSSDTALIQHQRIHTGEKPY
 ECKECGKAFSSSVFLQHQRHFTGEKLYECNECWKTFSCSSFTVHQMHTGEKPYECKECGKRLSSNTA
 LTQHQRHTGEKPFECCKGKAFNQKITLIQHQRVHTGEKPYECKVCGKTFSWCGRFILHQLHTQKTPV
 QA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8029_f03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_175888

ORF Size: 1266 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_175888.1](#), [NM_175888.2](#), [NM_175888.3](#), [NP_787084.1](#)

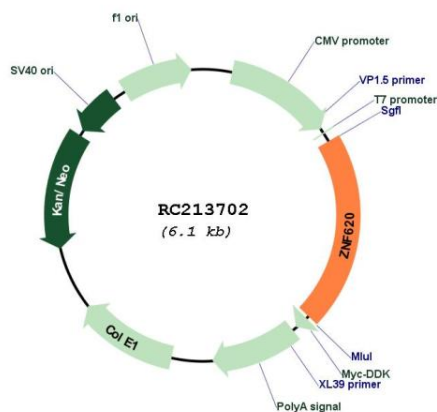
RefSeq Size: 2776 bp

RefSeq ORF: 1269 bp

Locus ID: 253639

UniProt ID: Q6ZNG0
 Cytogenetics: 3p22.1
 MW: 48.5 kDa
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC213702