

Product datasheet for **RC230060**

ZNF736 (NM_001170905) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZNF736
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC230060 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001170905, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGGGTGTTGACCTTCGGGATGTGGCAGTTGAATTCTCCCCGGAAGAGTGGAATGCCTCGATTCCG
 CACAACAGCGGCTGTATCGCGACGTGATGCTCGAGAACTACGGGAACCTGGTATCTCTTGGACTGGCCAT
 TTTCAAACCCGACCTGATGACTTGTCTTGAACAGCGCAAGGAACCATGGAAGGTCAAGCGACAGGAGGCA
 GTGGCTAAACATCCAGCCGGGTCCTTCCATTTTACTGCAGAGATATTGCCCGACCACGATATCAAGGACA
 GTTTCAGAAAAGTGATTCTGCGGAAGTATGGGTCTGTGACCTGAACAATCTTCACCTGAAAAAAGACTA
 TCAGAGTGTGGAAATTGTAAGGTCAAAAAAGCAGTTACAATGGTCTGCATCAGTGCTCAGTGCCACG
 CACAGCAAAACATGCCAGTGCAACAAGTGTGGCAGAGGCTTCCAGCTCTGTTCCATCTTTACCGAACACA
 AGGACATCTTCTCCCGGAGAAATGTCACAAATGCGAAGAGTGCGGTAAGATTGTAGGTTGTTCAAGTGA
 CTTACGCGGCACAGAAGATCCATACGGTGGAAGGTGCTATAAGTGCGAAGAATGTGGAAGGCGCTTT
 AAGAAATTTAGTAATCTGACCGAGCACAAAGAGTTACACAGGAGAAAAAGCCTTATAAGTGTGAGGGAT
 GCGGGAAGACATTACGTGCTCTAGTACTCTCGTCAAGCACAAAGAGAAATCATACTGGGGATCGGCCTTA
 TAAGTGCAGGAATGCGGGAAGCCTTCAAGTCTTTTCTGATCTGACAAACCATAAACGGATCCACACT
 GGAGAGAAGCCCTACAAGTGTGAGGAATGTAACAAAGCTTATCGATGGTTCTCCGACTTGGCAAAGCACA
 AAATTATTCATACGGGAGACAAGCCTTACACTTGTAAACGAGTGCGGCAAGGCGTTTAAATGGTTTGTGC
 CCTTAGCAACATAAGCGCATACATACCGGAGAGAAGCCCTACATCTGTGAGGAGTGCGGGAAGGCTTTC
 ACTCGAAGTTCTACACTTTTCAACCACAAACGCATCCATATGGAGGAGCGGCCATATAAGTGCAGGAAT
 GCAGTAAGACATTCAAATGTTTTAGTGATCTTACGAATCATAAACGCATCCATACCGGTGAGAAACCTA
 CAAGTGTGAAGAATGCGGAAAAGCCAGCAGCTGGTTTTCTCATTGTAGACACAAGAGGATTCATACT
 CGGGAAAAGCTGCACAAATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

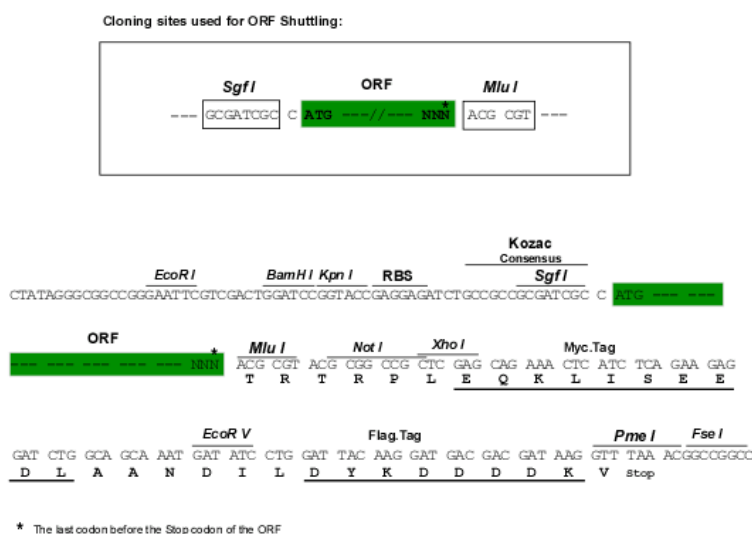
Protein Sequence: >RC230060 representing NM_001170905
 Red=Cloning site Green=Tags(s)

MGVLTFRDVAVEFSPEEWECLDSAQQRLYRDVMLENYGNLVSLLGLAIFKPDLMTCLEQRKEPWVKRQEA
 VAKHPAGSFHFTAEILPDHDIKDSFQKVLRLKYGSCDLNNLHLKKDYQSVGNCKGQKSSYNLHQCLSAT
 HSKTCQCNKCGRGFLCSIFTEHKDIFSREKCHKCEECGKDCRLFSDFTRHKKIHTVERCYKCEECGKAF
 KKF SNL TEHKRVHTGEKPYKCECGKTFSTSLVKHKRNHTGDRPYKCEECGKAFKCFSDLTNHKRIHT
 GEKPYKCEECNKAYRWFSDLAHKHIIHTGDKPYTCNECGKAFKWFSAKSKHKRIHTGEKPYICEECGKAF
 TRSSTLFNKHRIHMEERPYPKCEECSTFKCFSDLTNHKRIHTGEKPYKCEECGKASSWFSHLIRHKRIHT
 REKLHKC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001170905

ORF Size: 1281 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.

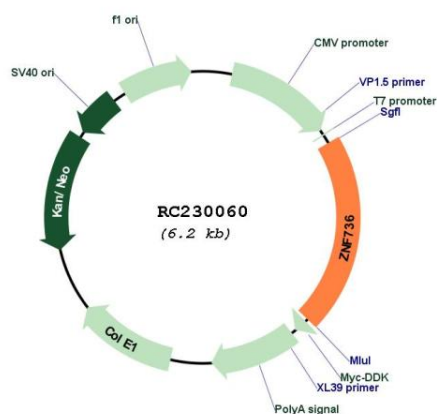
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22µm filter is required.

RefSeq: [NM_001170905.1](#), [NM_001170905.2](#), [NP_001164376.1](#)

RefSeq Size: 8961 bp

RefSeq ORF:	1284 bp
Locus ID:	728927
UniProt ID:	<u>B4DX44</u>
Cytogenetics:	7q11.21
MW:	49.9 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC230060