

## Product datasheet for **RC237909**

### ZNF670 (NM\_001204220) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF670 (NM_001204220) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF670
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237909 representing NM_001204220 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATTCAGTGTCAATTTGAAGATGTGGCTGTGGCCTTTACTCAGGAGGAGTGGCTTTGCTGGATCCTT  
CTCAAAGAATCTCTACAGAGATGTGATGCAAGAAATCTTCAGGAACCTGGCTTCTGTAGGAAACAATC  
AGAAGACCAGAATATCCAAGATGACTTCAAAAATCCTGGGAGAAATCTAAGTCATGTGGTAGAGACTG  
TTTGAAATTAAAGAAGGCAGTCAATATGGAGAAACCTTCAGCCAGGATCAAATTTGAATCTGAATAAGA  
AAGTTTCTACTGGAGTAAAGCCATGTGAATGCAGTGTGTGGAAAAGTCTTCATATGTCATTCAGCCCT  
TCATAGGCACATCCTGTCTCACATTGGAACAACCTATTTGAGTGTGAGGAATGTCCAGAGAAGTTATAT  
CATTGCAAACAATGTGGGAAAGCCTTTATCTCTCTCACCAGTGTGACAGACACATGGTAACACACACTA  
GTAATGGGCTTATAAGGGTCCAGTGTATGAGAAGCCTTTTGATTTTCTAGTGTATTTCAAATGCCTCA  
GAGCACTTACACTGGAGAGAAAACATATAAATGTAACATTGTGATAAAGCCTTCAATTATTCAAGTTAT  
CTTCGTGAACATGAAAGAACTCACTGGAGAGAAACCTATGCATGTAAGAAATGTGGTAAATCATTCA  
CTTTTTCCAGTTCTCTTCGCAACATGAAAGATCTCACTGGAGAGAAACCTATGAATGTAAGGAATG  
TGGCAAAGCCTTCAGTCGTTCCACTTACTTGGGAATACATGAAAGAACGCATACTGGAGAAAAACCTAT  
GAATGTATAAAATGTGGCAAAGCCTTTAGATGTTCCAGAGTCCAGAGTCCATGAAAGGACTCACAGTG  
GAGAAAAGCCCTATGAATGTAACAATGTGGTAAAGCCTTCAAATATTCTAGTAACCTATGTGAGCATGA  
AAGAACTCACACTGGAGTAAACCTTATGGATGTAAGGAATGTGGTAAAGTCGTTTACTTCTCCAGTGCC  
CTTCGAAGCCATGAAAGGACTCACTGGAGAAAAACCTATGAATGTAAGAAATGTGGTAAAGCCTTCA  
GTTGTTCCAGTTCCTTCGAAAGCATGAAAGAGCTTATATGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237909 representing NM\_001204220  
Red=Cloning site Green=Tags(s)

MDSVSEFDVAVAFTQEEWALLDPSQKNLYRDMQEIFRNLASVGNKSESDQNIQDDFKNPGRNLSHVVERL  
 FEIKEGSQYGETFSQDSNLNLNKKVSTGVKPCESVCGKVFICHSAHRHILSHIGNKLFECECEPKLY  
 HCKQCGKAFISLTSVDRHMVTHTSNGPYKGPVYEKPFDFPSVFMQSTYTGKTYKCKHCDKAFNYSSY  
 LREHERHTGKPYACKKCGKSFTFSSSLRQHERSHTGKPYECKECGKAFSRSTYLGIIHERHTGKPY  
 ECICKGKAFRCRVLRVHERTHSGEKPYECKCGKAFKYSSNLCEHERHTGVKPYGCKECKGKSFSSSA  
 LRSHERHTGKPYECKKCGKAFSCSSSLRKHHERAYMW

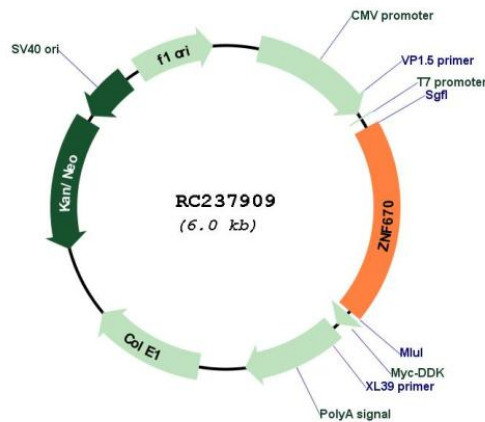
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001204220

<b>ORF Size:</b>	1164 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001204220.2</a>
<b>RefSeq Size:</b>	4195 bp
<b>RefSeq ORF:</b>	1167 bp
<b>Locus ID:</b>	93474
<b>Cytogenetics:</b>	1q44
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	45 kDa
<b>Gene Summary:</b>	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]