

## Product datasheet for **RC222079**

### ZNF690 (ZSCAN29) (NM\_152455) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF690 (ZSCAN29) (NM_152455) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF690
Synonyms:	Zfp690; ZNF690
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC222079 representing NM\_152455  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGCCAAATCAGCTCTAAGAGAGAATGGCACTAACTCTGAGACCTCCGACAGCGTTTCAGGAGAT  
 TCCATTACCAGGAGGTGGCTGGGCCGCGGAGGCTTTCAGCCAACCTCGGAACTTTGCTGTCGGTGGCT  
 AAGGCCGGAGGTGCGCACCAAGGAGCAGATTGTAGAAGTGTGGTCTAGAGCAGTTCCTGACCGTCTTA  
 CCTGGGGAGATCCAGAATTGGGTACAGGAACAATGTCCAGAAAATGGAGAGGAGGAGCAGTACTCTCGTGG  
 AAGATTTAGAAAGAGAGCCTGGAAGACCTAGATCTTCGGTACAGTCTCTGTGAAGGGCAGGAAGTGGC  
 CTTGGAGAAGATGACACCCCGAAATCATCACAAGAGTTATTAAGTGTTCGGCAGGAGTCACTGGAACCC  
 CAGCCCAGGGGTGTACCAAGAAAGAGAGGGCAAGAAGCCAGACCTGGGACCACAGGAGCAGATGAACC  
 CAAAGGAGAAGCTCAAACCTTTCAAAGGAGCGGATTGCCATTTCTAAATCCGGTGTGGTCTCCAGGTT  
 GGAGCAAGGAGAGCCATGGATCCAGATCTGCTGGGCTCTAAGGAGAAAGAACTTCCAAGTGGCAGCCAC  
 ATAGGAGACAGACGAGTGCATGCTGATCTGTTACCATCCAAGAAAGATAGAAGAAGCTGGGTGGAACAGG  
 ATCACTGGAGCTTTGAAGATGAGAAGGTGGCAGGTGTGCACTGGGGCTATGAAGAGACCAGAACGCTCCT  
 CGCAATTCAGCCAGACTGAGTTTTATGAGGCTCTCAGAAAAGTCCATAGGAACAGCCAAGTGTATGGG  
 GCTGTGGCTGAGCGGCTCAGGGAATATGGCTTCTCCGGACCCTGGAACAGTGTCCGACCAAGTTCAAAG  
 GTCTCCAGAAGAGCTATCGGAAAGTCAAGAGCGGCCACCCACCTGAGACCTGCCCTTCTTTGAAGAGAT  
 GGAAGCCCTGATGAGTGTCTCAGGTCATTGCCCTGCCAGTAATGGCTGGAAGCAGCAGCCTCTCACTCT  
 GGCCTGGTAGGCAGCGATGCTGAGACTGAAGAGCCAGGGCAGAGGGGCTGGCAGCATGAGGAGGGAGCAG  
 AAGAGGCTGTGGCTCAGGAGTCTGACACTGATGACATGGATCTAGAGGGACCCCGAGGAGGAGGAGGAG  
 AGCTGCACCTGTTGTGTTCAAGAAGCCAGGTGGTGTACACTGGGGCTATGAAGAGACCAAGACTTACCTT  
 GCAATTCAGTGTGAGACCCAGTTTTATGAAGCCCTCCGGAAGTGTACCCGCAACAGCCAGCTGTATGGAG  
 CAGTGGCTGAGAGGTTATGGGAATATGGCTTCTTAGGACCCAGAACAGTGTCCGACCAAGTTTAAAG  
 CCTGCAAACAGCTATCGGAAAGTTAAGAAATGGCCAGGCACCAGAGACCTGTCCCTTCTTTGAAGAGATG  
 GATGCTTTGGTGTGAGTGTCCGGTTGTGCCCCACCAATGATGGCCAGGAAGAGACTGCTTCTTGGCCCG  
 TCCAGGGGACAGTGAGGCTGAAGCTCAGAAGCAAGCTGAGGAAGCAGACGAGGCCACAGAGGAAGATTC  
 TGATGATGATGAAGAGGATACTGAGATACCCCGAGGGGCTGTATAACCCGTGCTCCAGTGTATCCAA  
 AGCCCCGTGGTTTTGAAGCTGGATTTGAGAATGAAGATAATTCAAAACGGGATATTTCTGAGGAAGTAC  
 AACTGCATAGGACATTACTTGAAGATCTGAAAGGAAAATTCGCCGTATCTTCATCAGGGTAAAGGCAA  
 TGAGAGTGACTGTAGATCAGGAAGACAGTGGGCAAGACCTCAGGGGAGAAAAGAGGAAAAGTACTGACTC  
 CCGGAGAAGAGCTTAAGTGAAGTCTAAGTCAACAGAGACCTTGCTTGGGAGAGAGACCCATAAATATC  
 TCAAATACAGCAAAGCTTTGGTCCAAACTCCCTTCTCATGCATCAGGTATCCCACAGGTGGAAAATCC  
 ATATAAATGTGCTGATTGTGGGAAAAGCTTCAGTCGGAGTGCACGACTCATTAGACACCGGAGAATCCAC  
 ACTGGAGAGAAACCTTATAAATGTCTTGACTGTGGAAAAGTTTCCGTGACAGTTCAAATTTTCATCACC  
 ATAGGAGAATCCACACAGGAGAGAAAACCTTATCAATGTGGTGTGAGTGTGGGAAATGCTTCAATCAGAGCTC  
 AAGCCTTATCATTACCCAGAGAACCCACACAGGAGAAAAGCCCTATCAATGTGAAGAGTGTGGAAAAGC  
 TTCAATAACAGTTCTCATTTTAGTGCACATCGGAGGATACACACAGGAGAGAGACCCATGTGTGTCTG  
 ACTGTGGAAAAGAGTTTTCAGTAAGAGTTCTGACTTACGTGCACATCATAGAACCCACAGGAGAGAAACC  
 CTATGGGTGCATGACTGTGGTAAGTGCTTCAAGTAAAAGCTCTGCCCTTAATAAGCACGGAGAAATCCAT  
 GCACGGGAAAAGCTTCTGACACAGTCACTCCCAAG

**ACCGGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC222079 representing NM\_152455  
 Red=Cloning site Green=Tags(s)

MMAKSALRENGTNSSETFRQRFRRFHYQEIVAGPREAFSQLWELCCRWL RPEVRTKEQIVELLVLEQFLTVL  
 PGEIQNWVQEQCPENGEAVTLVEDLEREPGRPRSSVTVSVKGGQEVRLKMTPPKSSQELL SVRQESVPEP  
 QPRGVPKKERARSPDLGPQE QMNPKEKLKPFQRSGLPFPKSGVVSRL EQGEPWIPDLLGSKEKELPSGSH  
 IGDRRVHADLLPSKKDRRSWVEQDHWSEFEDEK VAGVHWGVEETRTLLAILSQTEFYEALRNCHRNSQVYG  
 AVAERLREYGFRLTLEQCRTKFKGLQKSYRKVKSGHPPE TCPFFEMEALMSAQVIALPSNGLEAAASHS  
 GLVGSDAETE EPGQRGWQHEEGAE EAVAQE SDDMDLEATPQDPNSAAPV VFRSPGGVHWGVEETKTYL  
 AILSETQFYEALRNCHRNSQLYGAVAERLWEYGF LRTPEQCRTKFKSLQTSYRKVKNGQAPETCPFF EEM  
 DALVSVRVAAPPNDGQEETASCPVQGTSEAE AQQAEEADEATEEDSDDDEEDTEIPPGAVITRAPVLFQ  
 SPRGFEAGFENEDNSKRDI SEEVQLHRTLLAR SERKIPRYLHQGKGNE SDCRSGRQWAKTSGEKRGKLT L  
 PEKSLSEVLSQQRPC LGERPYKYLKYSK SFGPNSLLMHQVSHQVENPYK CADCGKSF SRSARLIRHRIH  
 TGEKPYKCLDCGK SFRDSSNF ITHRRIHTGEKPYQCGECGKCFNQSSSL I IHQRTHHTGEKPYQCEECGKS  
 FNNSSHFSAHRR IHTGERPHVCPDCGKSF SKSSDLRAHHRHTHTGEKPYGCHDCGKCF SKSSALNKHGEIH  
 AREKLLTQSAPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

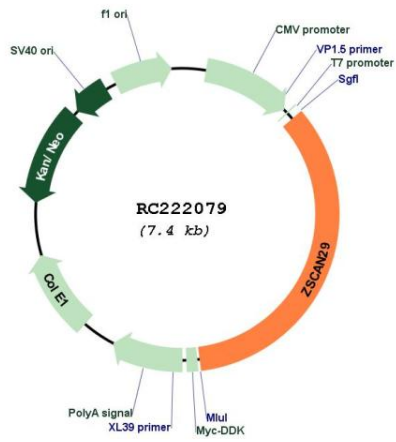
SgfI-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_152455
<b>ORF Size:</b>	2556 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_152455.3</a> , <a href="#">NP_689668.3</a>
<b>RefSeq Size:</b>	5607 bp
<b>RefSeq ORF:</b>	2559 bp
<b>Locus ID:</b>	146050
<b>UniProt ID:</b>	<a href="#">Q8IWY8</a>
<b>Cytogenetics:</b>	15q15.3
<b>MW:</b>	96.5 kDa
<b>Gene Summary:</b>	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC222079