

## Product datasheet for **RC238676**

### **ZNF426 (NM\_001300883) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ZNF426 (NM_001300883) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF426
Synonyms:	K-RBP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238676 representing NM\_001300883  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATTCAGTGACCTTTGACGATGTGGCTGTGGACTTCAACCAGGAGGAGTGGACTTTACTGGACTCAA  
 CTCAGAGAAGCCTCTACAGTGACGTGATGCTGGAGAACAACAAGAACCTGGCCACAGTAGGAGGTACAGT  
 CATCAAACCCAGTCTAATCTCTTGGTTGGAACAAGAAGAGTCAAGGACAGTTCAGGGAGGAGTTCTCCAA  
 GGATGGGAAATGCGACTTGAAACCCAGTGGTCTATACTTCAGCAGGACTTTTTGAGGGGTGAGACATCCA  
 TTGGGATACAATTGGAAGGAAAACAATGGAAGGAACTCTGTGACTGTGAGCAATGTGGAGAAGTCTT  
 CAGTGAACACTCATGCCTTAAGACGCACGTGAGAACTCAAAGTACAGGGAACACTCATGACTGTAATCAG  
 TATGGAAAAGATTCCTTACCCTGTGTGAGAAAACCTCTACTGGTGTGAGAACTTTCTGAGTTAATCAGA  
 GTGAAAAAATCTTCAGCCTGACACCAAATATTGTATACCAGAGAAGTACACACAAGAAAAGTCATTGGA  
 ATGTAGTCACTGTGGAAAATCCTTCATTAATGAGTCATACCTTCAGGCACATATGAGAACTCACAATGGA  
 GAAAAACTCTACGAATGGAGGAATTATGGGCCAGGTTTTATTGACTCTACAAGCCTTTCTGTGCTTATAG  
 AAACCCCTCAATGCAAAAAGCCCTACAAATGTAAGGAATGTGGAAAAGGCTATAGATACCCAGCCTACCT  
 CAGTATTCACATGCGAACCCCACTGGGGAGAAACCATATGAATGTAAGGAATGTGGAAAAGCCTTCAAT  
 TATTCAACTCATTTCAGATACATGGAAGAAGTCACTGGAGAGAAACCTATGTATGTAAGGAATGTG  
 GAAAAGCCTTCACTCAGTACTCGGCCTTAGTATGCATGTACGATCTCACAGTGGAGACAAGCCCTATGA  
 ATGTAAGGAATGTGGGAAATCCTTCCTTACATCCTCACGCCTTATTCAACATAAAGAACTCACACTGGA  
 GAGAAGCCTTTGTATGTGTTGAATGTGGGAAAGCCTTTCAGTTCCTCAAATCTTAGTGGACATTTGA  
 GAACTCACACTGAAGAGAAGCCTGTGAGTGAAGATATGTGGGAAAGTATTTGGGTATCCCTCATGTTCT  
 TAATAATCACATGCGAACGCACAGTGCCAGAAACCATACACCTGTAAGGAATGTGGGAAAGCCTTTAAC  
 TATTCACCCACCTAAAATTCACATGCGAATCCACACTGGAGAAAAACCTATGAGTGTAAACAATGTG  
 GAAAGGCCTTCAGTCATTCCAGTTCATTTCAAATACATGAAAGGACTCACACTGGAGAGAAACCTATGA  
 ATGCAAGGAGTGTGGGAAAGCCTTACGTGTTCCAGTTCCTTTAGAATTCATGAAAAAAGTACACAGAA  
 GAGAAACCTATAAATGTCAGCAATGCGGGAAAGCTTACAGTCATCCCGTTCACCTCGAAGACATGAAC  
 AAATTCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238676 representing NM\_001300883  
 Red=Cloning site Green=Tags(s)

MDSVTFDDVAVDFTQEEWTLDDSTQRSLYSDVMLENYKNLATVGGQIIKPSLISWLEQEEESRTVQGGVLQ  
 GWEMRLETQWSILQQDFLRGQTSIGIQLEKHNRELDCEQCGEVFSEHSCLKTHVRTQSTGNTHDCNQ  
 YGKDFLTLCEKTSTGEKLEFNQSEKIFSLTPNIVYQRTSTQEKSFECSHCGKSFINESYLQAHMRTHNG  
 EKLYEWRNYGPGFIDSTLSVL IETLNAKKPKYKCEKCGYRYPAYLSIHMRTHTGEKPYECKGKAFN  
 YSNSFQIHGRTHTGEKPYVCKEKGKFTQYSGLSMHVRSMSGDKPYECKGKSF LTSSRLIQHIRTHTG  
 EKPFVCEGKAFVSSNLSGHLRTHTEEKACECKICGKVFGYPSCLNNHMRTHSAQKPYTCKECKGKAFN  
 YSTHLKIHMRIHTGEKPYECKQCGKAFSHSSSFQIHERHTHTGEKPYECKGKAF TSSSFRIHEKHTHT  
 EKPYKQCGKAYSHPRSLRRHEQIH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

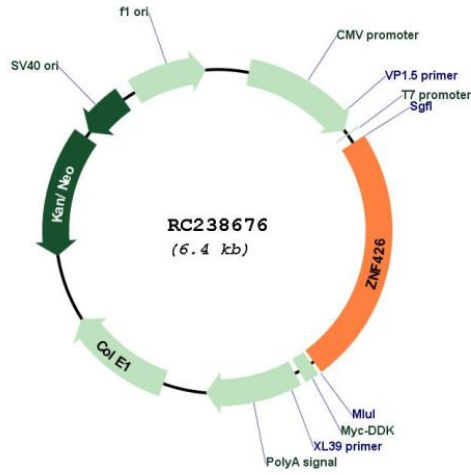
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001300883
<b>ORF Size:</b>	1548 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_001300883.3</a>
<b>RefSeq Size:</b>	2473 bp
<b>RefSeq ORF:</b>	1551 bp
<b>Locus ID:</b>	79088
<b>Cytogenetics:</b>	19p13.2
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	59.5 kDa
<b>Gene Summary:</b>	Kaposi's sarcoma-associated herpesvirus (KSHV) can be reactivated from latency by the viral protein RTA. The protein encoded by this gene is a zinc finger transcriptional repressor that interacts with RTA to modulate RTA-mediated reactivation of KSHV. While the encoded protein can repress KSHV reactivation, RTA can induce degradation of this protein through the ubiquitin-proteasome pathway to overcome the repression. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]