

Product datasheet for **RG200852**

ZNF426 (NM_024106) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF426 (NM_024106) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF426
Synonyms:	K-RBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200852 representing NM_024106
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCTGCTGATTTGTCCCATGGACATTATCTTTCTGGGACCCAGTTTGCCTTCATGAAGAAAAGA
 CACCAGCAGGAAGAATAGTGGCTGACTGCCTAACAGATTGTTATCAGGATTCAGTGACCTTTGACGATGT
 GGCTGTGGACTTCACCCAGGAGGAGTGGACTTTACTGGACTCAACTCAGAGAAGCCTCTACAGTGACGTG
 ATGCTGGAGAACTACAAGAACTGGCCACAGTAGGAGGTCAGATCATCAAACCCAGTCTAATCTCTTGGT
 TGGAAACAAGAAGAGTCAAGGACAGTTCAGGGAGGAGTTCTCCAAGGATGGGAAAATGCGACTTGAAACCCA
 GTGGTCTATACTTCAGCAGGACTTTTTGAGGGGTGAGACATCCATTGGGATACAATTGGAAGGAAAAACAC
 AATGGAAGGGAAGTCTGTGACTGTGAGCAATGTGGAGAAGTCTCAGTGAACACTCATGCCTTAAGACGC
 ACGTGAGAAGTCAAAGTACAGGGAACACTCATGACTGTAATCAGTATGGAAAAGATTTCTTACCCTGTG
 TGAGAAAACCTCTACTGGTGAGAAACTTTCTGAGTTTAATCAGAGTGAAAAATCTTCAGCCTGACACCA
 AATATTGTATACCAGAGAACTAGCACACAAGAAAAGTCATTTGAATGTAGTCACTGTGAAAAATCCTTCA
 TTAATGAGTCATACCTTCAGGCACATATGAGAAGTCAATGGAGAAAACTCTACGAATGGAGGAATTA
 TGGGCCAGGTTTTATTGACTCTACAAGCCTTTCTGTGCTTATAGAAAACCTCAATGCAAAAAAGCCCTAC
 AAATGTAAGGAATGTGGAAAAGGCTATAGATACCCAGCCTACCTCAGTATTCACATGCGAACCCACACTG
 GGGAGAAAACCATATGAATGTAAGGAATGTGGAAAAGCCTTCAATTATTCCAACCTATTCAGATACATGG
 AAGAACTCACACTGGAGAGAAAACCTATGTATGTAAGGAATGTGGAAAAGCCTTCACTCAGTACTCGGC
 CTTAGTATGCATGACGATCTCACAGTGGAGACAAGCCCTATGAATGTAAGGAATGTGGAAAAGCCTTCC
 TTACATCCTCACGCCTTATTCAACATATAAGAAGTCAACTGAGAGAGAAGCCTTTTGTATGTGTTGATG
 TGGGAAAAGCCTTTGCAGTTTCTCAAATCTTAGTGGACATTTGAGAAGTCAACTGAAGAGAAGGCCTGT
 GAGTGTAGATATGTGGAAAAGTATTTGGGTATCCCTCATGTCTTAATAATCACATGCGAACGCACAGTG
 CCCAGAAAACCATACACTGTAAGGAATGTGGAAAAGCCTTTAACTATTCCACCCACCTTAAAATTACAT
 GCGAATCCACACTGGAGAAAACCTATGAGTGTAAACAATGTGGAAAAGCCTTCACTCATTCCAGTTCA
 TTTCAAATACATGAAAGGACTCACACTGGAGAGAAAACCTATGAATGCAAGGAGTGTGGAAAAGCCTTCA
 CGTGTTCAGTTCCTTTAGAATTCATGAAAAAGTCAACAGAGAAGAAAACCTATAAATGTCAGCAATG
 CGGAAAAGCTTACAGTCATCCCCGTTCACTTCGAAGACATGAACAAATTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200852 representing NM_024106
 Red=Cloning site Green=Tags(s)

MAAADLSHGHYLSGDPVCLHEEKPAGRIVADCLDCYQDSVTFDDVAVDFTQEEWTLTLDSTQRSLSYSDV
 MLENYKNLATVGGQIIKPSLISWLEQEEESRTVQGGVLQGWEMRLETQWSILQQDFLRGQTSIGIQLEGKH
 NGRELCDCEQCGEVFSEHSCLKTHVRTQSTGNTHDCNQYKDFLTLCEKTSTGEKLSEFNQSEKIFSLTP
 NIVYQRTSTQEKSFECSHCGKSFINESYLQAHMRTHNGEKLIEWRNYGPGFIDSTLSVLIETLNAKPPY
 KCKECKGYRYPAYLSIHMRTHTGKPYECKECKGAFNYSNSFQIHGRHTHTGKPYVCKECKGAFTQYSG
 LSMHVRSHSGDKPYECKECKGKFLSSRLIQHIRTHTGKPFVCEGKAFVSSNLSGHLRTHTEEKAC
 ECKICGVFGYPSCLNNHMRTTHSAQKPYTCKECKGAFNYSTHLKIHMRIHTGKPYECKQCGKAFSHSSS
 FQIHERHTHTGKPYECKECKGAFTCSSSFRIHEKTHTEEKPYKQCQCGKAYSHPRSLRRHEQIH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_024106

ORF Size: 1662 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.

RefSeq: [NM_024106.3](#)

RefSeq Size: 2320 bp

RefSeq ORF: 1665 bp

Locus ID: 79088

UniProt ID: [Q9BUY5](#)

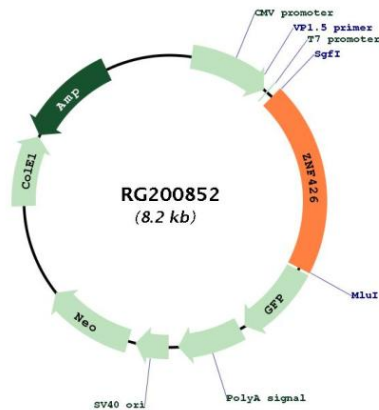
Cytogenetics: 19p13.2

Domains: KRAB, zf-BED, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: 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]

Product images:



Circular map for RG200852