

Product datasheet for **RG238676**

ZNF426 (NM_001300883) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF426 (NM_001300883) 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:

>RG238676 representing NM_001300883.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGATTCACTGACCTTTGACGATGTGGCTGTGGACTTCACCCAGGAGGAGTGGACTTTACTGGACTCA
ACTCAGAGAAGCCTCTACAGTGACGTGATGCTGGAGAACAACAAGAACCTGGCCACAGTAGGAGGTGAG
ATCATCAAACCCAGTCTAATCTCTTGGTTGGAACAAGAAGAGTCAAGGACAGTTCAGGGAGGAGTCTC
CAAGGATGGGAAATGCGACTTGAACCCAGTGGTCTATACTTCAGCAGGACTTTTTGAGGGGTGAGACA
TCCATTGGGATACAATTGGAAGGAAAACAATGGAAGGGAACCTGTGACTGTGAGCAATGTGGAGAA
GTCTTCAGTGAACACTCATGCCTTAAGACGCACGTGAGAACAAGTACAGGGAACACTCATGACTGT
AATCAGTATGGAAAAGATTTCTTACCCTGTGTGAGAAAACCTCTACTGGTGAAGAACTTTCTGAGTTT
AATCAGAGTGAAGAAATCTTACGCTGACACCAATATTGTATACCAGAGAACAAGCACACAAGAAAAG
TCATTTGAATGTAGTCACTGTGGAAAATCCTTCATTAATGAGTCATACCTTCAGGCACATATGAGAACT
CACAATGGAGAAAACCTCTACGAATGGAGGAATTATGGGCCAGGTTTTATTGACTCTACAAGCCTTTCT
GTGCTTATAGAAACCTCAATGCAAAAAAGCCCTACAAATGTAAGGAATGTGGAAAAGGCTATAGATAC
CCAGCCTACCTCAGTATTCACATGCGAACCCCACTGGGAGAAAACCATGAATGTAAGGAATGTGGG
AAAGCCTTCAATTATCCAACCTATTCAGATACATGGAAGAACAACACTGGAGAGAAAACCTATGTA
TGTAAGGAATGTGGGAAAGCCTTCACTCAGTACTCGGGCCTTAGTATGCATGTACGATCTCACAGTGG
GACAAGCCCTATGAATGTAAGGAATGTGGGAAATCCTTCCTTACATCCTCACGCCTTATTCACATATA
AGAACAACACTGGAGAGAAGCCTTTGTATGTGTTGAATGTGGGAAAGCCTTTGCAGTTTCTCAAAT
CTTAGTGGACATTTGAGAACAACACTGACAGGAGAAGCCTGTGAGTGAAGATATGTGGGAAAGTATTT
GGGTATCCCTCATGTCTTAATAATCACATGCGAACGCACAGTCCCAAGAAACCATACACCTGTAAGGAA
TGTGGGAAAGCCTTTTAACTATCCACCCACCTTAAATTCACATGCGAATCCACACTGGAGAAAACCC
TATGAGTGTAAACAATGTGGAAAGCCTTCACTCATTCCAGTTCATTTCAATACATGAAAGGACTCAC
ACTGGAGAGAAAACCTATGAATGCAAGGAGTGTGGGAAAGCCTTCACTGTTCCAGTTCCTTTAGAATT
CATGAAAAAACAACACAGAGAAGAAAACCTATAAATGTCAGCAATGCGGGAAAGCTTACAGTCACTCC
CGTTCACCTCGAAGACATGAACAAATTCAC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238676
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MDSVTFDDVAVDFTQEEWTLDDSTQRSLYSDVMLENYKNLATVGGQIIKPSLISWLEQEEESRTVQGGVL
QGWEMRLETQWSILQQDFLRGQTSIGIQLEKHNRELDCEQCQGEVSEHSCLKTHVRTQSTGNTHDC
NQYGKDFLTLCEKTSTGEKLEFNQSEKIFSLTPNIVYQRTSTQEKSFECSHCGKSFINESYLQAHMRT
HNKEKLYEWRNYGPGFIDSTLSVLIETLNAKKPYKCEKGYRYPAYLSIHMRTHTGEKPYECKECCG
KAFNYSNSFQIHGRHTHTGEKPYVCKECCGKAFQYSGLSMHVRSKPYECKECCGKSFLLTSSRLIQHI
RHTHTGEKPFVCECGKAFVSSNLSGHLRTHTEEKACECKICGKVFYGPSCLNNHMRTHTSAQKPYTCKE
CGKAFNYSHTLKIHMRIHTGEKPYECKQCGKAFSHSSSFQIHERHTHTGEKPYECKECCGKAFCSSSFRI
HEKHTHEEKPYKCCQCGKAYSHPRSLRRHEQIH
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

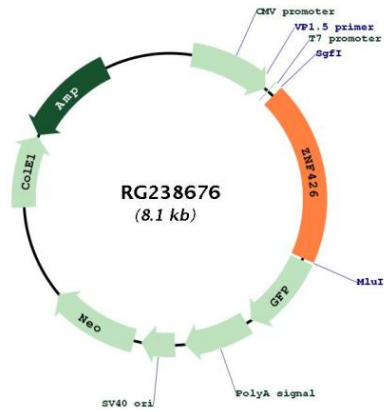
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


- ACCN:** NM_001300883
- ORF Size:** 1548 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).
- RefSeq:** [NM_001300883.3](#)
- RefSeq Size:** 2473 bp
- RefSeq ORF:** 1551 bp
- Locus ID:** 79088
- Cytogenetics:** 19p13.2
- Protein Families:** Transcription Factors
- MW:** 59.5 kDa
- 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 RG238676