

Product datasheet for **RC213351**

ZNF486 (NM_052852) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF486 (NM_052852) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF486
Synonyms:	KRBO2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC213351 ORF sequence, **codon optimized**.
Due to the complexity of NM_052852, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGCCAGGCCCTTGAGGTCCCTCGAGATGGAGAGTTTGCAGTTTCGAGACGTGGCAGTCGAGTTCAGTT
 TGGAAGAGTGGCACTGCCTGGACACCGCCAGCAGAACCTGTATCGCGACGTGATGCTGGAAAACACAG
 ACACCTGGTCTTCTGGGGATCATCGTGTCAAAACCGACCTCATTACATGCCTGGAGCAGGGCATTAAAG
 CCTCTGACGATGAAAAGACACGAAATGATCGCCAAGCCACCCGTTGTGTGCTCACATTCGCGCAGGATC
 TGTGGCCAGAGCAGAGCATTAAAGGATAGCTATCAAAAAGTGATTCTGAGGAAATTTGAAAATGTGGGCA
 TGGGAACCTGCACTTCAAGAAAGGGTGTGAGTCCGTCGACGAGTGAAGCTGCATAAAAGGGGATACAAT
 GGTCTGAATCAGTGTCTGACCACTACCCAGTCAAAAATTTCCAGTGGGAAAATACGTTAAAGTGTTC
 ATCAGTTCTCTAATAGCAAGCGGCACAAGCGCAGGCATACCGAAAAGAAACCACTCAAGTACATTGAGGG
 CGATAAAGCCTTTAACAGTCTCCACCCACACCACACAAGAAGATCGACACAGGGGAAAAACCATAT
 AAATGCGAGGAATGCGGAAAAGCTTTTAAATAGTCTCCCATCTGACAACGCACAAGTACCCACACAA
 GGGAGAAGCCCTATAAATGTGAAGAGTGCAGAAAGGTGTTCAAATACTTTAGCTCCTTTACTACACATA
 AAAAATTCACAGTGGTGAAGCCGTACATCTGCGAGGAGTGCAGCAAGGCATTATGATCCGTACACG
 CTGACTACCCATAAGATTATCCACACAGCGCAGCCTTATAAATGTAAGAATGCGACAAAGCATTCA
 ATCATCCGGCTACTCTGAGTTCCATAAAAAGTCCACACGGGGGAGAAGCCTTATACTTGCACAAAGT
 TGGAAAAGCTTTTATAAGCAGCTCCATCCTGTCCAAACACGAGAAGATTCACACGGGGGAAAAACCGTAT
 AAGTGCGAAGAGTGTGGCAAAGCCTTTACCGGAGTCCACCTGACCATGCATAAAATCATCCACCCG
 GAGAAAAGCCCTACAAATGCGAAGAGTGCAGCAAGGCTTTCACTTGGAGCGGGGCTTACAAACACCG
 CAGAACCATACGGGAGAGAAACCATATAAATGTGAAGAATGCGGGAAGGCCTACACCACAAGCAGCAAT
 CTGACTGAGCATAAAACCACTCATACTGGCGAAAAGCCCTATAAGTGAAGGAATGTGGGAAAGCGTTCA
 ACTGGAGCAGTGACCTTAATAAACACAAGCGGATCCACATAGGGCAAAAGCCCGAACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213351 representing NM_052852
 Red=Cloning site Green=Tags(s)

MPGPLRSLEMESLQFRDVAVEFSLEEWHLCLDQAQNL YRDVMLENYRHLVFLGIIVSKPDLITCLEQGIK
 PLTMKRHEMIAKPPVVCSHFAQDLWPEQSIKDSYQKVILRKFEKCGHGNLHFKKGCEVDECKLHKGYN
 GLNQCLTTTQSKIFQCGKYVKVFHQFSNSKRHKRRHTEKKPLKYIEGDKAFNQSSHTTHKKIDTGEKPY
 KCEECGKAFNRSSHLTTHKIHTREKPYKCEECGKVFYKSSFTTHKKIHSGEKPYICEECGKAFMYPYT
 LTHKIIHTGEQPYKCECDKAFNHPATLSSHKKIHTGEKPYTKDKCGKAFISSILSKHEKIHTGEKPY
 KCEECGKAFTRSSHLTMHKIIHTGEKPYKCEECGKAFTWSAGLHKHRRHTHTGEKPYKCEECGKAYTSSN
 LTEHKTHTGEKPYKCECGKAFNWSSDLNKHKRIHIGQKPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

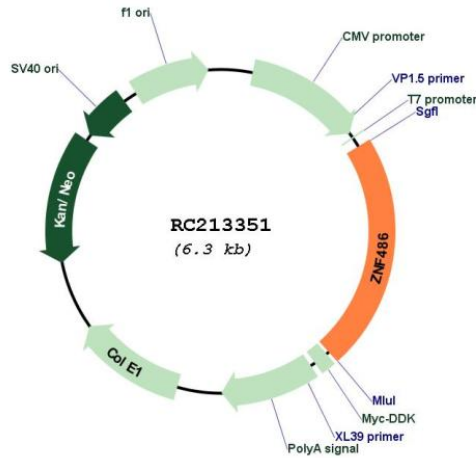
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_052852
ORF Size:	1389 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.
RefSeq:	NM_052852.2 , NM_052852.3 , NP_443084.2
RefSeq Size:	3895 bp
RefSeq ORF:	1392 bp
Locus ID:	90649
Domains:	KRAB
MW:	53.6 kDa
Gene Summary:	May be involved in transcriptional regulation. [UniProtKB/Swiss-Prot Function]