

Product datasheet for **RC234975**

E2F8 (NM_001256371) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2F8 (NM_001256371) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2F8
Synonyms:	E2F-8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC234975 representing NM_001256371
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGAACGAAAAGGAAAATCTCTTTTGTGAGCCACATAAAAAGGGGACTAATGAAAACACCTCTGAAAG
 AATCCACCACAGCAAATATCGTGTGGCAGAGATCCAGCCTGACTTTGGCCCTTTAACCCACCTACCAA
 GCCCAAGGAAGGCTCTCAGGGAGAGCCGTGGACACCGACAGCAAACCTGAAAATGCTCATAGTGTGTG
 AGCCCTGAGATCCGCAACAGAGATCAGAAAAGGGTTTGTGACAACAGAAAGTGGATTACCTGAGGCCA
 AAGACTGTATACAGCAACTTATCTGGAGATGAATTTGAGAAATCCCAACCAAGTCGAAAAGAGAAAAG
 TTTAGGATTATTGTGTCATAAGTTCTTAGCAGATATCCTAATTATCCCAACCTGCTGTGAATAATGAC
 ATCTGCCTTGACGAAGTGGCAGAGGAACCTAATGTTGACGTCGACGATTTACGATATCGTGAACGTCC
 TAGAGAGTTTACATATGGTGAGCCGCTCGCCAAAACAGGTACACTTGGCACGGGCGACACAATCTCAA
 CAAAACCTTGGCACCTGAAGAGCATCGGGGAGGAGAATAAGTACGCCGAGCAGATTATGATGATCAAA
 AAGAAAAGAAATATGAGCAAGAGTTTGACTTTATTAAGAGTTACAGTATAGAGGATCATATCATCAAATCAA
 ACACTGGCCCAAATGGACACCCAGACATGTGTTTTGTGGAACCTCCTGGAGTGAATTTCCGGCAGCTTC
 TGTAAACAGCCGCAAAGACAAGTCTTAAGGGTAAATGAGCCAGAAATTTGTGATGCTGTTTTTGGTGCA
 ACGCCTCAGATAGTAAGCCTAGAAGTTGCTGCCAAGATTTAATTGGGGAGGACCATGTGGAAGATTTGG
 ATAAAAGCAAGTTTAAAACAAAATTAGGAGGTTGTATGATATAGCTAATGTTCTGAGTAGCCTGGATCT
 TATCAAGAAAGTTCATGTTACAGAGGAAAGAGGCCGAAAACAGCTTTCAAATGGACCGGCCAGAAATC
 AGTCCAAATACCAGTGGCTCCAGCCAGTCATTCATTTACTCCCTCTGATTTGGAGTGAGACGGTCTT
 CAAAAGAGAACTGTGCCAAAACCTCTTTCCACACGTGGGAAACCAAACCTTACTCGACCCCATCTCT
 TATCAAATTTGGTAAAGAGTATAGAAAGTATCGGAGAAAGATAAATTTGCGCCCAAGTAGCCCTATCAAG
 ACCAACAAAGCTGAGAGTTCTCAGAATTCGACCCCTCCCAAGTAAAATGGCTCAGCTCGCAGCTATTT
 GTAAAATGCAGTTAGAAGAGCAATCAAGTGAATCCAGACAGAAAGTAAAAGTACAGCTGGCAAGATCTGG
 ACCCTGCAAACAGTAGCCCTCTGGACCCCCAGTGAATGCTGAGATGGAGCTGACAGCACCGTCCCTC
 ATCCAGCCCTGGGAATGGTCCCTGATCCCCAGCCCTTGTGATCAGCAGTCCCTGATCCTACCTC
 AGGCCCTTCAGGCCATCCTATGCCATCTACCTGCAGCCCACTCAAGCCACCAAAGTGTGACCCACC
 CCAAGGCCTGAGCCCAACGGTGTGACACCACCACTCTTCTAAAGTACTGGCTCAAAGACTCCACAGAT
 GCCACCACTGAGAAGGCAGCCAATGATACCTCAAAGGCCAGTGCCTCTACCAGGCCTGGAAGCTTGCTGC
 CAGCACAGAGAGGCAAGGGGCAAAGAGCCGAACCAAGGAGCCAGCTGGAGAAAGAGGCTCAAAGAGGGC
 AAGCATGCTCGAGGACAGTGGTTCCAAAAGAAATTTAAAGAGGACCTAAAAGGACTTGAATGCTCC
 GCAACCTGTTCCCATCAGGATACCTAATCCCTCTCACGCAGTGCATCCCTGGGGCAGAGTCCATTT
 TGTCTGGTAAAGAAAACCTCAAGTGTCTTTCCCAAACCAAGGATTTACAGCTCCCAATTGCAGGTGT
 TATTCAGTGACATCATCTGAATCACTGCTGTTAATTTCCCTCTTTTCATGTAACACCGTTGAAGCTA
 ATGGTCTACCAACTCCGTGGCAGCCGTACCTGTGGGAACAGCCCGGCTCTCGCTTCAAGCCACCCTG
 TTCCATCCAGAACCAAGCTCAGCCATTGTAACCTTACCCTGCAGCACCTGGGACTCATCTCACCCAA
 TGTGCAGTTGTCTGCCAGCCCTGGGTCTGGAATCGTTCTGTGTCTCCAAGAATAGAGTCTGTTAATGTC
 GCACCAGAAAATGCAGGCACTCAGCAAGGAAGGGCCACCAACTATGACTACCAAGTCCCAGGCCAGAGCC
 AGCCAAATGGACAATCAGTTGCTGTGACAGGGGCAACAAGCCTGTTCTGTGACACCCAAAGGGTCACA
 ATTAGTGGCCGAAAGTTTCTTCGTACCCAGGTGGACCCACCAAGCCAACCAAGCTCATCTGCATGGAT
 TTTGAGGGTGCTAATAAAACCTCCTTAGGAACTCTTTTGTCCCACAGCGAAAACCTGGAAGTCTCAACAG
 AGGATGTCCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234975 representing NM_001256371
 Red=Cloning site Green=Tags(s)

MENEKENLFCPHKRGLMKTPLKESTTANIVLAEIQPDFGLTTPTKPEGSQGEPTPTANLKMILISAV
 SPEIRNRDQKRGFLDNRSGLPEAKDCIHEHLSGDEFEKSPSRKEKSLGLLCHKFLARYPNYPNPAVNND
 ICLDEVAEELNVERRRIYDIVNVLESLHMVSRLAKNRYTWHGRHNLNKTGLTKSIGEENKYAEQIMMIK
 KKEYEQEFDFIKSYSIEDHIIKSNTGPNGHDPDMCFVELPGVEFRAASVNSRDKSLRVMSQKFMFLVLS
 TPQIVSLEVAAKILIGEDHVEDLDKSKFKTKIRRLYDIANVLSLIDLKIKVHVTEERGRKPAFKWTGPEI
 SPNTSGSSPVIHFTPSDLEVRRSSKENCAKNLFSTRGKPNFTRHPSLIKLVKSIESDRRKINSAPSSPIK
 TNKAESSQNSAPFSPKMAQLAAICKMQLEEQSSESQRQKVKVQLARSGPCKPVAPLDPPVNAEMELTAPSL
 IQPLGMVPLIPSPSSAVPLILPQAPSGPSYAIYLQPTQAHQSVTPPQGLSPTVCTTHSSKATGSKDSTD
 ATTEKAANDTSKASASTRPGSLLPAPERQGAKSRTREPAGERGSKRASMLEDSGSKKKFKEDLKGLNVNS
 ATLFPSGYLIPLTQCSSLGAESILSGKENSSALSPNHRIYSSPIAGVIPVTSSSELTAVNFPSFHVTLPLK
 MVSPTVAAVPVGNSPALASSHPVPIQNPSSAIVNFTLQHLGLISPNVQLSASPGSGIVPVPSPRIESVNV
 APENAGTQQGRATNYDSPVPGSQPNGQSVAVTGAQQPVPVTPKGSQQLVAESFFRTPGGPTKPTSSSCMD
 FEGANKTSLGTLFVPRKLEVSTEDVH

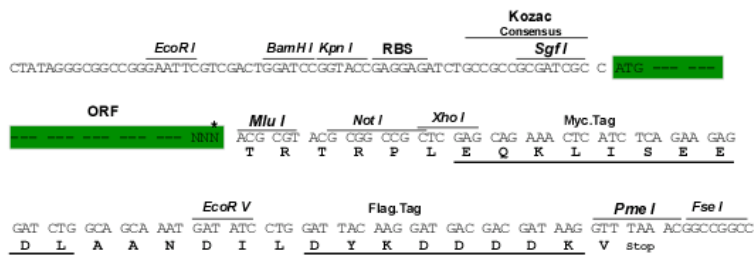
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6604_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

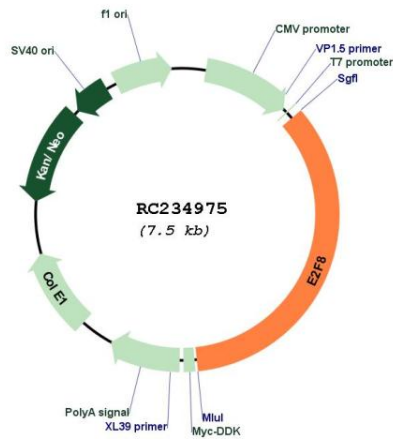
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_001256371
ORF Size:	2601 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:	<ol style="list-style-type: none">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_001256371.1 , NP_001243300.1
RefSeq Size:	3537 bp
RefSeq ORF:	2604 bp
Locus ID:	79733
UniProt ID:	A0AVK6
Cytogenetics:	11p15.1
Protein Families:	Druggable Genome
MW:	94.2 kDa
Gene Summary:	This gene encodes a member of a family of transcription factors which regulate the expression of genes required for progression through the cell cycle. The encoded protein regulates progression from G1 to S phase by ensuring the nucleus divides at the proper time. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2012]

Product images:



Circular map for RC234975