

Product datasheet for **RC225372**

Ankyrin repeat domain containing protein 33 (ANKRD33) (NM_001130015) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankyrin repeat domain containing protein 33 (ANKRD33) (NM_001130015) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankyrin repeat domain containing protein 33
Synonyms:	C12orf7; PANKY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225372 representing NM_001130015 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCGCATGCTACCACGGCTTCCAGAGTGTTGTGGCCCTGCTCAGCCACTGTCCTTTCCTTGATGTGA
ACCAGCAGGACAAAGGAGGGGACACGGCCCTCATGTTGGCTGCCCAGCAGGCCACGTGCCTCTAGTGAG
TCTCCTGCTCACTACTATGTGGCCTGGACCTGGAACGCCGGGACCAGCGGGGGCTCACGGCGTTAATG
AAGGCTGCCATGCGGAACCGCTGTGAGTGCCTGCCACCCTCCTCATGGCAGGTGCTGACCTGACAGCAG
TGGACCTGTTCGGGGCAAGACGGCCCTGGAATGGCAGTGCTGACCGACAGCTTCGACACCGTGTGGAG
GATTCGCGCAGCTGCTGAGGCGGCCCAAGTGGAGCAGCTTAGCCAGCACTACAAGCCCGAGTGGCCGCC
TTGTCCGGGCTCGTGGCCAGGCCAGGCCAGGCCAGGTTGCCCTTCACTCCTAGAACGGCTGCAGG
CTACCTTGAGCCTCCCCTTTGCCCGTCTCCTCAGGAGGGGGTGTCTGGACCACCTTGTGACTGCCAC
AACCAGCTGGCAGTCCCTTCGTCACTGCTGCCACTCTGTGCCCTGACCATCCACCTTCGCTG
GGCACCCGAAGCAAGTCCGTGCCAGAGCTGTTAGTGCCAGCCGAAGCCAGTCTTCAGGACACCAAGT
CTGGCCCTTCTCTGCGGATACCAGGAGCTCAGGATAGAGAAGAGGAAACAGGAGGAGGAGGCCAGAA
TGGCACAAGTAGGGGAAGATGGGATAGGACAGGCTGGGAACAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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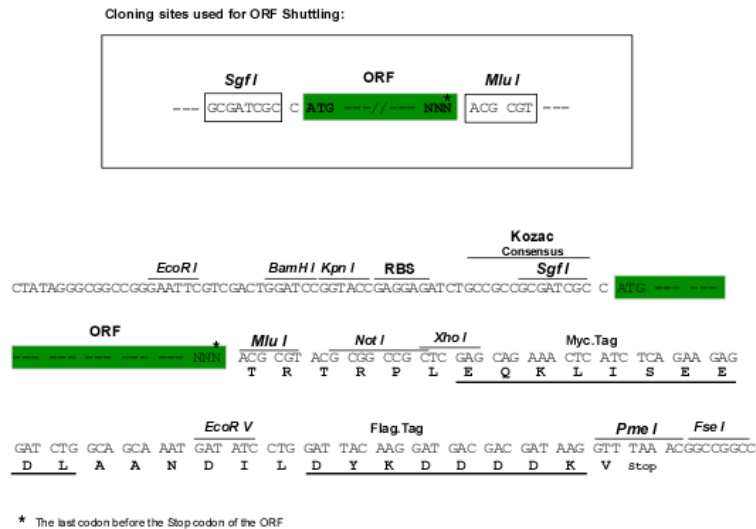
Protein Sequence: >RC225372 representing NM_001130015
 Red=Cloning site Green=Tags(s)

MVACYHGFQSVVALLSHCPFLDVNQDQKGGDTALMLAAQAGHVPLVSLLLNYYVGLDLERRDQRLTALM
 KAAMRNRCCECVATLLMAGADLTAVDPVRGKTALEWAVLTDSFDTVWRIRQLLRPQVEQLSQHYKPEWPA
 LSGLVAAQAQAQVAPSLRLQATLSLPFAPSPQEGGVDHLVTATSLASPFVTTACHTLCPDHPPSL
 GTRSKSVPELLVPAEAQSFRTPKSGPSSLAIPGAQDREEETGGGQNGTEVGEDGIGQAGNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001130015

ORF Size: 816 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001130015.2

RefSeq ORF: 819 bp

Locus ID: 341405

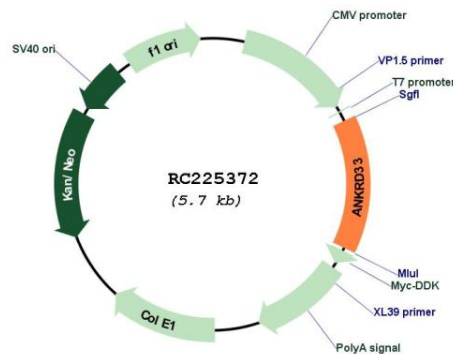
UniProt ID: Q7Z3H0

Cytogenetics: 12q13.13

MW: 28.8 kDa

Gene Summary: Acts as a transcriptional repressor for CRX-activated photoreceptor gene regulation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225372