

Product datasheet for **SC307458**

Ankyrin repeat domain containing protein 33 (ANKRD33) (NM_182608) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankyrin repeat domain containing protein 33 (ANKRD33) (NM_182608) Human Untagged Clone
Tag:	Tag Free
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)



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Fully Sequenced ORF: >SC307458 representing NM_182608.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAGTCCAGCCATCTGTTACCTGCGTTGCTTCCTGGGGAGGGATAGTCCACCTGGAGGCATTCCGA
GACCCAGTGATTGTGCTCCGCGGAGCCTGGGCTGTGCCCCGCGTTGACTGCCTCATAGATACCCTACGA
ACCCCAAATGCCAGTGCATGAGAAAAGGGAATCACCTTCTGGTTCCCTGCTGGAAGAGGAAGAGCTG
GCATTGCACAGGAGACGGCTGGACATGTCTGAGGCACTGCCCTGCCCGGCAAGGAGACCCCAACCCCA
GGCTGCAGGCTGGGGGCCCTGTATTGGGCTGTGTCCACAATGATCCACCCAGCTCCAAGCCATACTG
GATGGTGGGGTCTCCCCAGAGGAGGCCACCCAGGTGGACAGCAATGGGAGGACAGGCCTCATGGTCGCA
TGCTACCACGGCTTCCAGAGTGTGTGGCCCTGCTCAGCCACTGTCCTTTCCTTGATGTGAACAGCAG
GACAAAGGAGGGGACACGGCCCTCATGTTGGCTGCCCAAGCAGGCCACGTGCCTCTAGTGAGTCTCCTG
CTCAACTACTATGTGGGCTGGACCTGGAACGCCGGGACCAGCGGGGCTCACGGCGTTAATGAAGGCT
GCCATGCGGAACCGCTGTGCTGACCTGACAGCAGTGGACCCTGTTCCGGGCAAGACGGCCCTGGAATGG
GCAGTGCTGACCGACAGCTTCGACACCGTGTGGAGGATTCGGCAGCTGCTGAGGCGGCCCAAGTGGAG
CAGCTTAGCCAGCACTACAAGCCGAGTGGCCGGCCTTGTCGGGCTCGTGGCCAGGCCAGGCCAG
GCCAGGTTGCCCTTCACTCCTAGAACGGCTGCAGGCTACCTTGAGCCTCCCCTTTGCCCGTCTCCT
CAGGAGGGGGTGTCTGGACCCTTGTGACTGCCACAACAGCCTGGCCAGTCCCTTCGTCACCACT
GCCTGCCACACTCTGTGCCCTGACCATCCACCTTCGCTGGGCACCCGAAGCAAGTCCGTGCCAGAGCTG
TTAGGTACTGCCCCGCCCTCCCCTGGTTCGCCAGTCCCCGCCAGGGAGTCCCCAGAGGTCCCCGTGG
GTCTTCGTCCTTACCAGAGCCCTCAGGGCATATTGAGCAAGTGCCTTCAGTGGCTACAACCCAGGGAT
AGCACCAGCCCCAGGCCCAAGTCCCCAAGATCCTCCTCCTCAAGGCATCCTCATCCTCCACCAAGTGC
CAGCCGAAGCCAGTCTTCAGGACACCAAGTCTGGCCCTTCTCTCTGCGGATACCAGGAGCTCAGG
ATAGAGAAGAGGAAACAGGAGGAGGAGGCCAGAATGGCACAGAAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_182608

Insert Size: 1359 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_182608.3</u>
RefSeq Size:	1953 bp
RefSeq ORF:	1359 bp
Locus ID:	341405
UniProt ID:	<u>Q7Z3H0</u>
Cytogenetics:	12q13.13
MW:	49.4 kDa
Gene Summary:	Acts as a transcriptional repressor for CRX-activated photoreceptor gene regulation. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has two alternate splice sites and lacks an internal exon in the coding region, compared to variant 3. The resulting isoform (2) is the longest isoform, which is longer at the N-terminus and lacks an internal segment, compared to isoform 3.