

Product datasheet for **SC201341**

ANKRD16 (NM_001009943) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ANKRD16 (NM_001009943) Human 3' UTR Clone
Symbol:	ANKRD16
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001009943
Insert Size:	163 bp
Insert Sequence:	>SC201341 3'UTR clone of NM_001009943 The sequence shown below is from the reference sequence of NM_001009943. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC GTGCCAAGTTTCTCCTGCAGTCGGGACT TGA AGGATTCTGAAGACATCACGGGCACCCTGGCTCAGCAGC TCCAAGGAGAGCAGATGCCTTCAGGGCTCTGGCCATAGCGCAATGACATAAGGATGTTTCCAAGAGG AGGCAATAAAGTGCATGGTAATTCA ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001009943.3</u>



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Summary: Required to prevent the misactivation of serine (Ser) with tRNA(Ala) by promoting the hydrolysis of Ser-mischarged tRNA(Ala), thereby playing a role in translational fidelity. Binds directly to the catalytic domain of AARS/AlaRS and captures Ser that is misactivated by AARS/AlaRS, preventing the charging of Ser adenylates to tRNA(Ala) and precluding Ser misincorporation in nascent peptides.[UniProtKB/Swiss-Prot Function]

Locus ID: 54522

MW: 6.2