

Product datasheet for SC202298

LYAR (NM_017816) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	LYAR (NM_017816) Human 3' UTR Clone
Symbol:	LYAR
Synonyms:	ZC2HC2; ZLYAR
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_017816
Insert Size:	219 bp
Insert Sequence:	<p>>SC202298 3' UTR clone of NM_017816</p> <p>The sequence shown below is from the reference sequence of NM_017816. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon</p>

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

GTTATTAAGGACAAAGTCAAGCTTGTGAAATGACATTTGTGTATTTAAAAATTGAATCCATTCTGCTG
 ACTTCTTCCTTTCACTGCTGTTTATAAAATGTGAATGAATTCTAACAACCTCAAATTTTGCTTTTGAAG
 CTGTATTTTAAAGTTAAGAAAAATATATTTTGGTATACTTTATGAGAAAAATAAATATATTCTGGTC
 CAAACTTCT

ACGCGTAAGCGCCGCGGCATCTAGATTCGAAGAAATGACCG

Restriction Sites:	Sgfl-MluI
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_017816.2</u>



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Summary:

Plays a role in the maintenance of the appropriate processing of 47S/45S pre-rRNA to 32S/30S pre-rRNAs and their subsequent processing to produce 18S and 28S rRNAs (PubMed:24495227). Also acts at the level of transcription regulation. Along with PRMT5, binds the gamma-globin (HBG1/HBG2) promoter and represses its expression (PubMed:25092918). In neuroblastoma cells, may also repress the expression of oxidative stress genes, including CHAC1, HMOX1, SLC7A11, ULBP1 and SNORD41 that encodes a small nucleolar RNA (PubMed:28686580). Preferentially binds to a DNA motif containing 5'-GGTTAT-3' (PubMed:25092918). Stimulates phagocytosis of photoreceptor outer segments by retinal pigment epithelial cells (By similarity). Prevents nucleolin/NCL self-cleavage, maintaining a normal steady-state level of NCL protein in undifferentiated embryonic stem cells (ESCs), which in turn is essential for ESC self-renewal (By similarity).[UniProtKB/Swiss-Prot Function]

Locus ID:

55646