

## Product datasheet for **SC214904**

### **ApoER2 (LRP8) (NM\_017522) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	ApoER2 (LRP8) (NM_017522) Human 3' UTR Clone
Symbol:	ApoER2
Synonyms:	APOER2; HSZ75190; LRP-8; MCI1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_017522
Insert Size:	2000 bp



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**Insert Sequence:** >SC214904 3'UTR clone of NM\_017522  
 The sequence shown below is from the reference sequence of NM\_017522. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTAAGCCTTGAAGATGATGGACTACCCTAGGATGGATACCCCTTCGTGCCTCATGGAATTCAGTC
CCATGCACTACACTCTGGATGGTGTATGACTGGATGAATGGGTTTCTATATATGGTCTGTGTGAGTGT
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CCATGAGGAATTCGTGGAATGGCTACTGCTGACTAACATGATGCACATAACCAAATGGGGGCCAATGGC
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GAGTTCTATAAATAATTTAGAGAAGTGAGAGTATTTATTTTGGCATGTTTGGCCACCACACAGACTC
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TTTCAGAAAAAGCCTTTGGAAATCTGGATCAGAAAAATAGATACCATGGTTTGTGCAATTATGTAGTAAAA
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CCCTGAAGGGTGCCATCCTTACAGAGCTAAGTGGAGACGTTTCCAGATCAGCCCAAGTTTACTATAGAG
ACTGGCCCAAGGCACTGAATGTCTAGGACATGCTGTGGATGAAGATAAAGATGGTGAATAGGTTTTATC
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TTCATTATAGACATCTTCTTTGCTTTTCTGGCCTTGGGGGAGGAAGGAGAGTCTTTTCTACTT
GTGGGGTCTCCATTGGAACATAATCCTATAGTCCCAGAAGGATTCAGTCCCAGTGGCTTTCCATC
CAAAGAGAAAGAGTTTGAGTTTCTTAACCTGCTGTTCTGCCACTTACTCCCACTAGACAACCAGGGAC
AAGGTGCAACATGGAAGTGTGACTTAAAGTAGGAGCAGAGGAGCTGCATCTAATCTCATACACTGG
AACTTGACACACTTAAAGCAAATGCCTTCCCATCCCTACCTGCCAGATGCCCCAACTCAATGAAGTTGG
ATGTCTCACCAGCTTGATACCCTTTGAATTTTTCAGTCAGACATTTGGAGTTCTAGCATCCTGTACCTA
GGACCTTCTCTGTGCTACTCTTGGCCTCTAAACTCTAAGAAAAAATACTATATTCTGGAGCTTGGGC
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**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:** [NM\\_017522.5](#)

**Summary:**

This gene encodes a member of the low density lipoprotein receptor (LDLR) family. Low density lipoprotein receptors are cell surface proteins that play roles in both signal transduction and receptor-mediated endocytosis of specific ligands for lysosomal degradation. The encoded protein plays a critical role in the migration of neurons during development by mediating Reelin signaling, and also functions as a receptor for the cholesterol transport protein apolipoprotein E. Expression of this gene may be a marker for major depressive disorder. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2011]

**Locus ID:**

7804

**MW:**

75.8