**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC200734

## Estrogen Receptor beta (ESR2) (NM_001437) Human 3' UTR Clone

### Product data:

| | |
|---|---|
| **Product Type:** | 3' UTR Clones |
| **Product Name:** | Estrogen Receptor beta (ESR2) (NM_001437) Human 3' UTR Clone |
| **Vector:** | pMirTarget (PS100062) |
| **Symbol:** | ESR2 |
| **Synonyms:** | ER-BETA; Erb; ESR-BETA; ESRB; ESTRB; NR3A2; ODG8 |
| **ACCN:** | NM_001437 |
| **Insert Size:** | 2000 bp |

View online »

**Insert Sequence:**

>SC200734 3'UTR clone of NM_001437
The sequence shown below is from the reference sequence of NM_001437. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGGGCTCCCAGAACCCACAGTCTCAGTGACGCCTGGCCCTGAGGTGAACTGGCCCACAGAGGTCACAG
GCTGAAGCGTGAACTCCAGTGTGTCAGGAGCCTGGGCTTCATCTTTCTGCTGTGTGGTCCCTCATTTGG
TGATGGCAGGCTTGGTCATGTACCATCCTTCCCTCCACCTTCCCAACTCTCAGGAGTCGGTGTGAGGAA
GCCATAGTTTCCCTTGTTAGCAGAGGGCACATTTGAATGCAGCGTTTCCACACTCAATGGCCTCATAGG
ATCTCAGTGTGGTCTTTCTTACTTTCCTTCTTCCTTCCTCCCCTTTGTGAAACATCTTAAAGGTTTTGG
AATGAATGGTGGAAATCTGACTTGGAAGGGCTGCGAATCAGAAAGGGGAGAGGAAGTGACACGCTTACA
GAAGTGGGCTAACCCTTCTTGTGTGGCACACACTACCCTTCCCTCTGAGAGTTGACCTTTGCTGTTTTC
CGGACCACTCCATTGTAAGATTGAAAACCCCTGTGGCAATTGCGTACTTACCTCCCAGGCCTGTGGGGA
CTGATCATATCATATGATGCTTATTCTGTCAAAGGCCAGAGGGACTGTGGTTAAGCTGGGATGTGAGTC
ATGTTCTCTCCCTGACCTTGCTGCCAGCTGCACACAGATTTGTCCCTCTCGATTTGTATTCACAGAGCC
TGCCAATAATTTGGGGTATGTGTGTATGAGCGTGTGATCATTTTCATGCAGGACTGTGGGAGATACAAA
TCTCGCTGCTTCTGGAGCTGCTCTTCCTTAAACCTGTTGTCCCATGGGGCCAGCGTGGGTGCTGGAGAA
AGGCCGTGTTTGCAGGAATGGGGTTCTCTCCTGTGGGTGTGGGTGACAGCCACAGTGTTTCCCTGGGGC
AATGTGGATGCAGTTTCCATCTTGTACAACCTCATAAGTAGCAGCCACAATTGCCCCATCAGTCACCAC
AAGTAGTCAGGGATACTTTGGGCTGTGGATGTGTGCAGTGTGCTGTTTTATGGATGGATGAGTAGCTAT
GCACCCCAGTGTGTCAGCTCTGGGGCCACACTGTATAGCCTTGATGAGTACGCCCCTTGAACAAGACCC
AGTTTGTGAACTCTCCTTAAAGAGAAATATTTAGGGATAATTATTTATAGCAAGAAAGAATTCTTTTAC
ACTTGAGAGCTCTTTTAAAAATATTTTCTTATTGGAAAATTTATATGGTGGGCAGGGTGAAAAAGAAAC
AGTAAAAATATTAGTTCTTATTCCAAGTGGAACATAAATAGGACATGAAGAAGGGCACCTCTGAAATGA
CAACTTTAACTCACCTTTTAAAAGATGTGAAATTTCCAGTTTTGGATACACGGTGAATATGTAAAATGA
GTAACAGCATACTATGGAAGCCAGCAATTAAATAATCATGTTTCATTATTGCAGTAACGTTTTAAACAA
TTACCTTGTGATATGATATTAAATATATTTTCTTTTTGAAAATATGTTCACTTTGGGTAGCACATCCTG
TATTTACTAAGTCATTAGGAAGACTGCATTCAGTGTTACCAAGACTGGTTTTTGCTAGTAAGACCTCGA
ATAATCCATAATTTTGATATTGGTGCAATTTTACTATAAGTTGAGCTTAGCTGTTTCAGAAATGCTTGG
ACAAGTACCTAGAGAACACACTGATGTCTGTGTTCTGAGGCAGTCTGAAGTTATTCTTAGAGACTCAGT
TACAGCTTTAGTAAGATTTAGTACAGGCAGGATAAGCTTGGTTTCATAGGAACCAGGGAACCAGTGTTA
GTGTCAGCTTCTTTCCTCCTGGTCAGCCTAGAATCCCCCACTCCCAATAGAGGGGTTTGGAAGCTGGAG
AGTAGGAAGTAAGAGGCAAAGAAGGCAGCCTTCAGCAACTCATTATCTGCCAGTGAAATTCTATTAAAT
GTATTTTTAAAAGAGATTACCAGGTAACAAAAACATAAAAAACCAAAACAAGGCCAGATGTGGTGGCT
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

**Restriction Sites:** SgfI-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_001437.3

**Summary:** This gene encodes a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. The gene product contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, the encoded protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been fully characterized. [provided by RefSeq, Jul 2008]

**Locus ID:** 2100

**MW:** 77