

Product datasheet for **RN200732**

Esr2 (NM_012754) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esr2 (NM_012754) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Esr2
Synonyms:	ER-beta; Erb2; ERbeta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200732 representing NM_012754
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACATTCTACAGTCTCTGTGTGATGAACTACAGTGTTCCCGCAGCACCAGTAACCTGGACGGTGGC
CTGTCCGACTGAGCACAAGCCAAATGTGCTATGGCCAACTTCTGGGCACCTGTCTCCTTTAGCGACCCA
TTGCCAATCATCGCTCCTCTATGCAGAACCTCAAAGAGTCCTTGGTGTGAAGCAAGATCACTAGAGCAC
ACCTTACCTGTAAACAGAGAGACTGAAGAGGAAGCTTAGTGGGAGCAGTTGTGCCAGCCCTGTTACTA
GTCCAAACGCAAAGAGGGATGCTCACTTCTGCCCGTCTGCAGCGATTATGCATCTGGGTATCATTACGG
CGTTTGGTCATGTGAAGGATGTAAGGCCTTTTTAAAAGAAGCATTCAAGGACATAATGATTATATCTGT
CCAGCCACGAATCAGTGTACCATAGACAAGAACCAGCGTAAAAGCTGCCAGGCCTGCCGACTTCGCAAGT
GTTATGAAGTAGGAATGGTCAAGTGTGGATCCAGGAGAGAACGGTGTGGTACCGTATAGTCCGGAGGCA
GAGAAGTTCTAGCGAGCAGGTACTGCTGAGCAAAGCAAGAGAAACGGTGGGCATGCACCCCGGGT
AAGGAGCTACTGCTGAGCACCTTGAGTCCAGAGCAACTGGTGTACCCTCCTGGAAGCTGAACCACCCA
ATGTGCTGGTGAAGCCGTCAGCATGCCCTTACCAGAGCCTCCATGATGATGTCCCTCACTAAGCTGGC
GGACAAGGAACTGGTGCACATGATTGGCTGGGCCAAGAAAATCCCTGGCTTTGTGGAGCTCAGCCTGTTG
GACCAAGTCCGGCTCTTAGAAAGCTGCTGGATGGAGGTGCTAATGGTGGGACTGATGTGGCGCTCCATCG
ACCACCCCGCAAGCTCATTTCGCTCCCGACCTGTTCTGGACAGGGATGAGGGGAAGTGCCTAGAAGG
GATTCTGGAATCTTTGACATGCTCCTGGCGACGACGTCAAGGTTCCGTGAGTAAAACCTCAGCACAAG
GAGTATCTCTGTGTGAAGCCATGATCCTCCTCAACTCCAGTATGTACCCCTGGCTTCTGCAAACCAGG
AGGCAGAAAGTAGCCGGAAGCTGACACACCTACTGAACGCGGTGACAGATGCCCTGGTCTGGGTGATTGC
GAAGAGTGGTATCTCCTCCAGCAGCAGTCAGTCCGACTGGCCAACCTCCTGATGCTTCTTCTCACGTC
AGGCACATCAGTAACAAGGGCATGGAACATCTGCTCAGCATGAAGTGCAAAAATGTGGTCCCGGTGTATG
ACCTGCTGCTGGAGATGCTGAATGCTCACACGCTTCGAGGGTACAAGTCTCAATCTCGGGGTCTGAGTG
CAGCTCAACAGAGGACAGTAAGAACAAGAGAGCTCCAGAACCTACAGTCTCAGTGA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_012754

Insert Size: 1458 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).

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: [NM_012754.1](#), [NP_036886.1](#)
RefSeq Size: 2555 bp
RefSeq ORF: 1458 bp
Locus ID: 25149
UniProt ID: [Q62986](#)
Cytogenetics: 6q24
Gene Summary: binds estrogen and mediates transcriptional activation [RGD, Feb 2006]