

Product datasheet for **RC226004A1V**

Human Estrogen Receptor 1 (ESR1) (NM_001122741) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Estrogen Receptor 1 (ESR1) (NM_001122741) AAV Particle
Tag:	Myc-DDK
Symbol:	ESR1
Synonyms:	ER; Era; ESR; ESRA; ESTRR; NR3A1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC226004 representing NM_001122741
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGC

ATGACCATGACCCTCCACACCAAGCATCTGGGATGGCCCTACTGCATCAGATCCAAGGGAACGAGCTGG
 AGCCCCCTGAACCGTCCGCAGCTCAAGATCCCCCTGGAGCGGCCCTGGGCGAGGTGTACCTGGACAGCAG
 CAAGCCCGCGTGTACAACTACCCGAGGGCGCCGCTACGAGTTCAACGCCCGCGGCCGCCAACGCG
 CAGGTCTACGGTCAGACCGGCCTCCCCTACGGCCCCGGGTCTGAGGCTGCGGCGTTCCGGTCCAACGGCC
 TGGGGGTTTCCCCCACTCAACAGCGTGTCTCCGAGCCCGCTGATGCTACTGCACCCGCCGCCGAGCT
 GTCGCCTTTCTGCAGCCCCACGGCCAGCAGGTGCCCTACTACCTGGAGAACGAGCCAGCGGTACACG
 GTGCGCGAGGCGGCCGCCGGCATTCTACAGGCCAAATTCAGATAATCGACGCCAGGTGGCAGAGAAA
 GATTGGCCAGTACCAATGACAAGGAAGTATGGCTATGGAATCTGCCAAGGAGACTCGCTACTGTGCAGT
 GTGCAATGACTATGCTTCAGGCTACCATTATGGAGTCTGGTCTGTGAGGGTGAAGGCCTTCTTCAAG
 AGAAGTATTCAAGGACATAACGACTATATGTGTCCAGCCACCAACAGTGCAACATTGATAAAAAACAGGA
 GGAAGAGCTGCCAGGCTGCCGGCTCCGCAATGCTACGAAGTGGGAATGATGAAAGGTGGGATACGAAA
 AGACCGAAGAGGAGGAGAATGTTGAAACACAAGCGCCAGAGAGATGATGGGAGGGCAGGGGTGAAGTG
 GGGTCTGCTGGAGACATGAGAGCTGCCAACCTTGGCCAAGCCCGCTCATGATCAACCGCTCTAAGAAGA
 ACAGCTGGCCTTGTCCCTGACGGCCGACCAGATGGTCAGTGCCTTGTGGATGCTGAGCCCCCATACT
 CTATTCGAGTATGATCCTACCAGACCTTCAGTGAAGCTTCGATGATGGGCTTACTGACCAACCTGGCA
 GACAGGAGCTGGTTCACATGATCAACTGGGCGAAGAGGTGCCAGGCTTGTGGATTGACCTCCATG
 ATCAGTCCACCTTCTAGAATGTGCTGGCTAGAGATCCTGATGATTGGTCTCGTCTGGCGCTCCATGGA
 GCACCCAGGGAAGCTACTGTTTGTCTTAAGTTGCTCTTGGACAGGAACAGGGAATGTGTAGAGGGC
 ATGGTGGAGATCTTCGACATGCTGCTGGCTACATCATCTCGTTCCGCATGATGAATCTGCAGGGAGAGG
 AGTTTGTGTGCCTCAAATCTATTATTTGCTTAATTCTGGAGTGACACATTTCTGTCCAGCACCTGAA
 GTCTCTGGAAGAGAAGGACCATATCCACCGAGTCTGGACAAGATCACAGACACTTTGATCCACCTGATG
 GCCAAGGCAGGCTGACCCTGCAGCAGCAGCACCAGCGGCTGGCCAGCTCCTCCTATCCTCTCCACA
 TCAGGCACATGAGTAACAAAGGCATGGAGCATCTGTACAGCATGAAGTGAAGAAGCTGGTGCCCTCTA
 TGACCTGCTGTGGAGATGCTGGACGCCACCGCTACATGCGCCCACTAGCCGTGGAGGGGCATCCGTG
 GAGGAGACGGACCAAGCCACTTGGCCACTGCGGGCTCTACTTCATCGCATTCTTGCAAAAGTATTACA
 TCACGGGGAGGCAGAGGGTTTCCCTGCCACGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226004 representing NM_001122741
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MTMTLHTKASGMALLHQIQGNELEPLNRPQLKIPLERPLGEVYLDSSKPAVYNYPEGAAYEFNAAAAANA
 QVYQGTGLPYGPGSEAAAFGSNGLGGFPPLNSVSPSPLMLLHPPQLSPFLQPHGQQVPYYLENEPSGYT
 VREAGPPAFYRPNSDNRRQGGRERLASTNDKGSMAESAKETRYCAVCNDYASGYHYGVWSCEGCKAFFK
 RSIQGHNDYMCATNQCTIDKNRRKSCQACRLRKCYEVGMMKGGIRKDRRGGRMLKHKRQRDDGEGRGEV
 GSAGDMRAANLWPSPLMIKRSKNSLALSLTADQMVSALLDAEPPILYSEYDPTRPSEASMMGLLTNLA
 DREL VHM INWAKRVPFV DLTLDQVHLL ECALW EILMIGLVWRSMHPGKLLFAPNLLDRNQKCV
 EGMVEIFDMLLATSSRFMMNLQGEFVCLKSIILLNSGVYTFLLSSTLKSLEEKDHIHRVLDKITDTLIHLM
 AKAGLTQQQHQLAQLLLILSHIRHMSNKGMEHLYSMCKKNVPL YDLLLEMLDAHRLHAPT SRGGASV
 EETDQSHLATAGSTSSSHSLQKYIITGEAEGFPATV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001122741
ORF Size:	1785 bp
Buffer:	PBS with 0.001% Pluronic F8933
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_001122741.1, NP_001116213.1</u>
RefSeq ORF:	1788 bp
Locus ID:	2099
UniProt ID:	<u>P03372</u>
Cytogenetics:	6q25.1-q25.2
MW:	66 kDa