

Product datasheet for **RN206729**

Irs1 (NM_012969) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Irs1 (NM_012969) Rat Untagged Clone
Tag: Tag Free
Symbol: Irs1
Synonyms: IRS1IRM
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206729 representing NM_012969
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGAGCCCTCCGGATACCGATGGCTTCTCAGACGTGCGCAAGGTGGGTTACCTGCGCAAACCAAGA
GTATGCATAAGCGCTTTTTCTGTGCTGCGGGCGCCAGCGAGGCCGGGGCCGGCGCGCTGGAGTATTA
TGAGAACGAGAAGAAGTGGCGGCACAAGTCGAGCGCCCCAAACGCTCGATCCCCCTCGAGAGCTGTTTC
AACATCAACAAGCGGGTACTCCAAGAACAAGCACCTGGTGGCTCTACACCCGAGACGAACACTTTG
CCATTGCGGGCGGATAGCGAGGCTGAACAAGACAGCTGGTACCAGGCTCTTCTGCAGCTGCATAATCGGGC
AAAGGCCACCATGACGGGGCTGGAGGAGGCTGCGGTGGTAGCTGCAGCGGCAGCTCTGGCGTCGGAGAG
GCAGGGGAGGACTTGAGCTATGACACGGGCCAGGACCCGCGTTCAAGGAGGTCTGGCAGTTATCCTGA
AACCAAGGGCTTAGGTCAGACAAAGAACTTGATTGGTATCTACCGCCTCTGCCTGACCAGCAAGACCAT
CAGCTTTGTGAAGCTCAACTCTGAGGCTGCCGCTGTGGTGTGCAGCTGATGAACATCAGACGCTGTGGC
CACTCAGAGAACTTCTTCTCATCGAGGTGGGGCGGTGAGTGTACCGGGCCCGCGAGTCTGGATGC
AAGTGGATGACTCCGTGGTGGCCAGAACATGCATGAGACCATTCTAGAGGCCATGCGGGCCATGAGCGA
TGAGTTTCGCCCCGCGCACGAAAAGCCAATCTTCATCCAGTTGCTCCAACCCATCAGTGTCCCTGCGC
AGGCACCATCTCAACAATCCTCCGCCAGCCAAGTGGGGCTGACTCGGAGATCTCGAACTGAGAGCATCA
CTGCCACCTCCCCTGCCAGTATGGTGGTGGGAAACCAGGTTCCCTCAGGGTGCCTGCCAGCGATGG
CGAAGGCACCATGTCCCCTCCAGCATCAGTGGATGGCAGTCTGTGAGCCCTAGCACCAACAGGACCCAC
GCCCATCGGCATCGAGGCAGCTCCAGTTGCACCCCCACTCAACCACAGCCGCTCCATCCCTATGCCTT
CTTCACGATGCTCCCCTCAGCCACCAGCCAGTGAAGCTGTATCCAGTAGTACCAGTGGCCACGGCTC
CACTTCAGACTGTCTCTCCCGAGGCGCTAGTGCTTCCGTGTCCGGTCTCCTAGCGATGGCGGTTTC
ATCTCTTCTGATGAGTATGGCTCTAGTCCCTGCGATTTCCGAAGTTCCTCCGCAGTGTACCCAGATT
CCCTGGGCCACACCCACAGCCAGGGGTGAGGAGGAGCTGAGCAACTATATCTGCATGGGTGGCAAGGG
AGCCTCCACCTTGACAGCTCCCAATGGTCACTACATTTTGTCTAGGGGTGGCAACGGCCATCGCTACATC
CCAGGTGCTACCATGGGGACAAGCCCGCGCTGACTGGAGACGAAGCCGCTGGTGCAGCAGATCTGGATA



ACCGGTTTCGGAAGAGAACTCACTCGGCTGGCAGTCCCCACCATATCCCACCAGAAGACCCCTCGCA
GTCCTCAGTGGTTTCTATTGAGGAATATACAGAGATGATGCCCGCTGCCTACCCACCAGGAGGTGGCAGT
GGAGGCCGACTGCCCGCTACCGGCATTCCGCCTTCGTGCCACCACCTCTATCCCAGGAGGGTCTAG
AGATGCACCACCTGGAACGTCGTGGGGCCACCACCGTCCAGACTCCTCCAACCTCCACACCGATGATGG
CTACATGCCCATGTCTCCCGAGTGGCTCCAGTCCCAGCAACCGCAAAGGAAATGGGGACTATATGCC
ATGAGCCCCAAGAGTGTATCTGCCCCCAGCAGATCATTAAACCCATCAGGCGCCACCCACAGAGAGTGG
ACCCCAATGGCTACATGATGATGTCTCCAGTGGTAGTTGCTCCTGACATTGGAGTGGGTCTTGACG
CAGTAGCAGCATCAGCGCAGCCCCTTCTGGGAGCAGCTATGGGAAGCCATGGACAACGGAGTAGGGGG
CACCATACCCATGCCCTTCCCCATGCCAAACCTCCTGTTGAGAGCGGTGGTGGTAAAGCTCTTGCCTTGCA
CTGGTGACTACATGAACATGTGCGCAGTGGGAGATTCCAACACCAGCAGCCCCTCAGAATGCTACTATGG
CCCAGAAGATCCCAGCACAAGCCTGTCTCTCTACTACTCATTACCAAGGTCTTTAAGCACACCCAG
CGCCCTGGGGAGCCAGAGGAGGGTGCCAGGCACCAGCATCTTCGTCTCTTTCAAGCTCTGGACGCCTT
GCTATACCGCAACTGCCGAAGATTCTCTCTTCCACCAGCAGCGACAGCCTGGTGGGGTTACTGTGG
GGCTAGGCCAGAGTCTAGCGTCACACATCCCACCACCATGCCTTGACAGCCCATCTGCCTCGAAAGGTA
GACACAGCTGCACAGACCAACAGCCGCTGGCTCGACCCACAAGGCTGTCTTGGGGATCCAAGGCAA
GCACTTTACCCCGGTACGAGAGCAACAGCAGCAGCAACAGCAGCAGCAGTCTTCCCTGCACCCCTCC
CGAGCCCCAAAAGCCCAGGAGAATATGTGAATATTGAATTCGGGAGTGGCCAGCCAGGCTATTTAGCTGGC
CCTGCAACTTCCCGTAGCTCCCCTTTCAGTTCGATGTCTACCCAGCTCCACCCAGCTCCCAGAGAAGAGA
CTGGCTCGGAAGAGTACATGAACATGGACTTGGGGCCAGCCGGAGGGCAACCTGGCAGGAGAGTGGTGG
AGTTGAGTTGGGCAGAGTAGGCCCTGCACCTCCAGGGGCTGCTTCCATTTGTAGGCCAACCCGGTCGGTG
CCAAATAGCCGTGGTGATTACATGACCATGCAGATAGGTTGTCTCGTCAAAGCTATGTGGATACCTCAC
CAGTGGCCCCAGTCAGCTATGCTGACATGCGGACAGGCATTGCTGCAGAGAAGGTGAGCCTGCCCAGAAC
CACAGGAGCTGCCCCCTCCATCCTCCACAGCCTCTGCTTCTGCTTCTGTTACACCTCAAGGGCCGCTG
GAGCAGGCCGCTCACTTCTTCTTGGGAGGCCCTCAGGGACCTGGGGGATGAGCGCATTACACAGGG
TGAACCTAAGTCCCAACCATAACCAGAGTGCCAAAGTGATTTCGTGCAGACTCAAGGCTGCCGGAGGAG
GCACAGCTCCGAGACCTTCTCGGCGCTACGCGGGCTGCCAACACAGTGTCTTTGGAGCAGGGGCTGCA
GGAGGGGGCAGCGGTGGTGGCAGTGAAGATGTAAACGCCACAGCTCTGCATCCTTTGAGAATGTGTGGC
TGAGACCCGGGGATCTAGGGGGAGCATCCAAGGAGTGGCTCCAGGGTCCGGGGCTGCCGGGGATTGGA
GAAGAGTCTTAACTATATAGACTTGGATTTGGTCAAGGATGTTAAGCAGCACCCCAAGACTGCCCTCT
CAACAGCAGTCCCTGCCACCCCTCCCCCTCACCACCCCTTAGGCAGCAATGAGGGCAGCTCCCCAAGAC
GCTCCAGTGAGGATTTAAGCACCTATGCCAGCATCAACTCCAGAAGCAACCAGAGGACCGTCAA TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_012969

Insert Size: 3708 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_012969.1](#), [NP_037101.1](#)

RefSeq Size: 5365 bp

RefSeq ORF: 3708 bp

Locus ID: 25467

UniProt ID: [P35570](#)

Cytogenetics: 9q34

Gene Summary: a docking protein; may act to link the insulin receptor kinase with enzymes regulating cellular growth and metabolism [RGD, Feb 2006]