

Product datasheet for MC224184

Insrr (NM_011832) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Insrr (NM_011832) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Insrr
Synonyms:	Irr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224184 representing NM_011832 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGTGCCTGCTCTGTGGCCCTGGGGAGTACACTTGCTTATGAGCCTGCTGTCTTGGGATCTGCC
TGGACACACTAGAGGTGTGCCCCAGCCTGGATATCCGCTCGGAGGTGACCGAGCTCCGTCGGCTGGAGAA
CTGCAGTGTGGTGGAGGGTCACTGCAGATCCTTCTTATGTTTGTGCCACTGGAGAGGATTTCCGAGGC
CTCAGCTTTCCTCGCCTTACCCAGGTGACTGACTACCTGCTGTTGTTCCGAGTCTATGGCCTGGAGAGCC
TTCGAGACCTCTTCCCCAACCTCACTGTGATCCGAGGCCACCCGGCTCTTCTGGGCTACGCACTATTAT
CTTTGAGATGCCCCACCTACGGGACGTGGGCTGCCGTCGCTTGGGGCCGTGCTGCGTGGGGCCGTGCGT
GTGGAGAAGAACCAGGAACCTTGGCCATCTCTCCACCATGACTGGGGTCTGCTGCAGCCTGCACCTGGTA
CCAACCACATTGTAGGAAACAAGCTGGGCGAGGAGTGTGCAGACGTGTGCCCCGGTGTGCTGGGAGCTGC
TGGTGAGCCCTGTTGAGAACCACTTCAGCGGGCGCACTGACTACAGGTGCTGGACGTCCAGCCACTGT
CAGAAAGTGTCCCTGCCCCGAGGGATGGCCTGCACAGCAGGCGGTGATTGCTGCCACAGTGAAGTGT
TGGGGGGCTGCAGCCAGCCTGAAGACCCTCGAGCCTGTGTAGCTTGCCGCCACCTCACTTCCAAGGAGT
CTGCCTCCGAGCCTGCCCTCCGGGCACCTACCAATATGAGTCTGCGCCTGTGTACCCGGGAGCTCTGC
GCTCATCTGCGTGAGGTTCTGGACTTGCCACCACCTTCGGCATCTACGAGGGCAGCTGCCTAGCTCAGT
GCCCTCCAGGCTTCAACCCGAATGGCAGCAGCATTTTCTGCCATAAGTGTGAGGGCCTGTGCCCCAAGA
GTGCAAGGTTGGGACAAAGACCTCGACTCTGTCCAAGCCACACAGGACCTGGTGGGCTGCACCCACGTG
GAGGAAACCTCATCCTCAACCTTCGCCAAGGCTACAATCTGGAGCCAGAGCTTCAACGCAACCTGGGTC
TGTTGGAGACCATCACTGGCTTCTCAAATCAAGCACTCTTTTGCCTGCTGACCTGGGCTTTTTCAA
GAACCTCAAATAATCCGGGGAGATTCCATGGTGGATGGAATTACACTCTACGTATTGGACAACCAG
AACCTGCAACAGTTGGGATCCTGGGTGACCGCGGGCTCACCATTCCTGGGAAAATACTTCGCT
TCAACCACGCTCTGCTTGGAGCACATATACCAACTGGAGGAGGTGACGGGAACCAGAGGTCCGGCAGAG
CAAGGCTGAAATCAACCCCGGACCAATGGAGATCGGGCTGCCTGTGAGACTCGCACTCTACGTTTTGTG
TTCAACCTGACGGAGGAAGACCGCATCTCTGCGCTGGGAGCGCTATGAGCCACTGGAGGCCCGTGACC



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TGCTCAGCTTCATTGTCTATTACAAGGAGTCCCCATTTTCTCAGAATGCCACAGAACACGTGGGTCCAGATGC
 CTGTGGAACCCAGAGCTGGAACCTGTTGGATGTGGAACACTCCCTCAGCCGCACCCAGGAACCAGGGGTA
 ACCCTGGCCCCCTTAAGCCCTGGACACAGTATGTCTGTGTTTGTGCGGGCCATCACACTGACCACCGCTG
 AGGACAGTCCCATCAGGGAGCCAGAGCCCCATTGTCTACCTGCGAACATTGCCTGCTGACCCACGGT
 GCCCAAGATGTATCTCCACCTCCAACCTCTTCCCACCTCCTGGTGCCTGGAAGCCACCGGTCCAG
 CGCAATGGAACATCACCTACTACCTGGTGTGTGGCAGCGCCTGGCGGAGGACGGTGACCTCTACATCA
 ATGACTACTGCCACCGGTCTGCGGTGCCACCAGCAGCCACGACACACGCTTCGACCGTGAAGACCC
 GGCGCTGGAGGCTGAGCCGGAACAAGGCTGCTGTCTTCCCAACTCACCTCCTGGGCAGGCCCTGCCT
 GCACTGGAGGCTCAAGAGGTACCTTCCAGAAAAAATTTGAAAACTTCTACACCATGCCATCACCATCC
 CCAAGGCTCCATGAAAGTGACATCCATCAACAAGAACCCCCAAAGGGATTTCGGAGAGGCACCGCAGGGA
 AGCTGGACTTCTCAGACTAGGAAAAACAACCTCGGATTTTGTAGATTCAAGAGGACAAGGTTCCCCGGGAG
 CGAGCGATATTGAGCGGCTTACGGCACTTACAGAGTACAGGATTGACATCCATGCCTGCAACCACGCTG
 CGCACACTGTGGGCTGCAGCGCCGCCACCTTCGTCTTGCACGCACCATGCCACATAGAGAGGCCGATGG
 CATCCCCGGGAAAGTGGCTGGAAGGCAGCTGGCAAGAGCAGTGTACCTTGATTGGCTTGAACCACCT
 GACCCCAATGGGCTCATTCTCAAGTATGAAATCAAGTACCGACGCTCTGGGAGAGGAGGCCACAGTCTTT
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 TGCTAAAGTTCGGGCCACCTCGTTGGCTGGCAATGGTTCTGGACTGACGGTGTACCTTCTACATCACC
 GATCTAGAGGAAGAGGATACCGGGGGATGCGCATCTTCTCACTGTCACCCCTGTGGGTTTCATGCTGC
 TCGTGACACTTGTGCCCTCGTTCCTTCTACAGCAGAAAGAGAAACAGCACGCTGTACACATCCGTGAA
 CCCCAGTATTTCAAGTGCATCCACATGTATGTCCCCGACGAGTGGGAGGTGCCTCGGGAGCAGATAGCC
 ATCATCCGGGAGCTGGCCAAGGCTCTTTGGGATGGTCTATGAGGGACTGGCCCGAGGACTTGAGGCTG
 GAGAGGAGTCCACGCTGTAGCCCTGAAGACAGTTAATGAGCTGGCCAGCGCTCGGGAACGCGTTGAATT
 CCTCAAGGAAGCATCTGTATGAAGCATTCAAGTGTACCATGTGGTTTCGTCTCCTGGGTGTGGTGTCT
 CAGGGCCAGCCAACTCTGGTCATCATGGAGTTAATGACCCGTGGGGACCTCAAGAGCCATCTCCGATCTC
 TGAGACCTGAGGCAGAGAACAACCCCGCCTCCCGCAGCCTGCACTCAGTGACATGATTGAGATGGCAGG
 GGAAATTCAGATGGCATGGCCTACCTTGTGCAAGAAGTTTGTGACCCGGGACCTGGCGGCCCGCAAC
 TGCATGGTGTCCAGGATTTACAGTCAAAATTTGGTACTTTGGAATGACTCGGGATGTGTATGAGACAG
 ACTATTACCGCAAGGGTGGAAAAGGGTTACTGCCAGTGCCTGGATGGCCCCGAGTCCCTCAAAGATGG
 AATCTTCACTCACTCAGATGTCTGGTCTTCCGGTGTGGTGTCTGGGAGATTGTGACCTGGCCGAA
 CAACCATACCAGGCTATCAAATGAGCAGGTGCTGAAATTTGTATGGATGGTGGAGTTCTAGAGGAGC
 TGGAGAAGTGTCCGATTCAGCTACAAGAGCTGATGAGACTCTGCTGGCAGCATAGTCCACGCCTGGCCCC
 GACTTTTCGTCCACATCTGGATCGCATACAGGATGAGCTTCGGCCCTCTTCCGGCTCTGCTCCTTCTAC
 TACAGCCAGAGTCCAGCGGGTCAAGGCTCCTTGTGCTACTGAGGCAGAACCTGATTCACCAACAA
 CCTTAAATGGAGCTTCAGACTATAGTGCACCAATGGGGGCCAGGACACTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_011832
- Insert Size:** 3903 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_011832.2](#), [NP_035962.2](#)

RefSeq Size: 5102 bp

RefSeq ORF: 3903 bp

Locus ID: 23920

UniProt ID: [Q9WTL4](#)

Cytogenetics: 3 38.7 cM

Gene Summary: Receptor with tyrosine-protein kinase activity. Functions as a pH sensing receptor which is activated by increased extracellular pH. Activates an intracellular signaling pathway that involves IRS1 and AKT1/PKB.[UniProtKB/Swiss-Prot Function]