

Product datasheet for MR227167

Irs2 (NM_001081212) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Irs2 (NM_001081212) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Irs2
Synonyms: Irs-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227167 representing NM_001081212
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTAGCGGCCCTGCCTGGGCCCCCGCGTCGGCGGGCGGGGACGGCCGAACCTCAATAACAACA
 ACAACAACAACAACCACAGCGTGCCAAGTGGGCTACCTGCGCAAGCAGAAGCACGGCCACAAGCGCTT
 TTCGTGTTGCGCGGCCCGGCACGGGCGGCGACGAGGCATCCGCGGCTGGGGGTCGCCCGCAGCCT
 CCGCGGCTGGAGTACTACGAGAGCGAGAAGAAGTGGAGGAGCAAGCGGGCGCGCCAAGCGAGTGATCG
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 CAAGGACGAGTACTTCGCTGTAGCGGCGGAGAACGAGCAGGAGCAGGAGGGTGGTACCGCGCACTACC
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 TCCCGGGCGTCTGGGCGGCTCAGCGGGCGCCGCTGGCTGCGATGACAACCTACGGGCTCGTGACACCCGC
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GACCCGGTTTCATGTCCCTTGACGAGTATGGCTCCAGCCCTGGCGACCTGAGAGCCTTCAGTAGCCACA
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ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227167 representing NM_001081212
 Red=Cloning site Green=Tags(s)

MASAPLPGPPASAGGDGPNLNNNNNNNHSVRKCGYLKQKHGHRFFVLRGPGTGGDEASAAGGSPQP
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 DLVSEGRSGEGSGTTGGSCSASLPGVLGGSAGAAGCDDNYGLVTPATAVYREVWQVNLKPKGLGQSKNL
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 VPAPPSGVGRTPVNGGGYKASSPAESSPEDSGYMRMWCCKLSMENPDKLLPNGDYLNMSPEAGTAG
 TPPDFSAALRGGEGLKIGPHCYSSLPRSYKAPCSCSGDNDQYVLMSSPVGRILEEERLEPQATPGAGT
 FGAAGGSHTQPHSAVPSSMRPSAIGGRPEGFLGQRCRAVRPTRLGLEGLQLPMSQYPLPTEPKSPGE
 YINIDFGEAGTRLSPAPPLASAASSSSLLSASSPASSLGSPTGTSDDSRQRSPLSDYMNLDSSPKS
 PKPSTRSGDVTGSMDDLSPASSPYPLPPRSTSPSSLQQPLPPAGDLYRLPPASAATSQGPTAGSS
 MSSEPGNDGYTEMAFGVAATPPQPIVAPPKPEGARVASPTSGLKRLSLMDQVSGVEAFLQVSPDPHR
 GAKVIRADPQGGRRRHSSETFSSSTTVTPVSPSFAHNSKRHNSASVENVSLRKSSEGSSTLGGGDEPPTS
 PGQAQPLVAVPPVQARPWNPGQP GALIGCPGGSSPMRRET SVGFQNLNYIAIDVRGEQGS LAQSQPQ
 PGDKNSWSRTRSLGGLLGTVGGSGASGVCGGPGTGALPSASTYASIDFLSHLKEATVVKV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1611_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

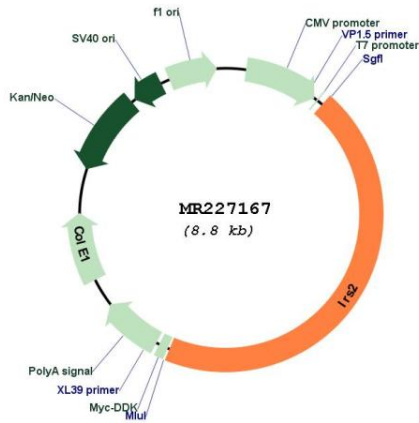


ACCN: NM_001081212

ORF Size: 3963 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001081212.2
RefSeq Size:	4015 bp
RefSeq ORF:	3966 bp
Locus ID:	384783
UniProt ID:	P81122
Cytogenetics:	8 5.35 cM
MW:	137.2 kDa
Gene Summary:	May mediate the control of various cellular processes by insulin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227167