

Product datasheet for **MR215602**

Irs3 (NM_010571) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irs3 (NM_010571) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irs3
Synonyms:	AA408304
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215602 representing NM_010571
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCCTGCAGGTACGGGCCACAGTCTCCTCCGGGGCAGTGCACCGACGTGCCCTCGGCTCAC
 CGTTTCCTTGGCCCTGCCGACCTGCCGACGTGCGGCTCTGTGCCATCTGAGGAAGCAGAAGTCCAGCGCCG
 CCGCTTTTTCTGCTGCGCGCTGACCCACCACGCTGGAGTGCTACGAGAGCGAGAAGAAGTTCTTGGCC
 AGCGGCTGCCGCCACCTAGACCCCGGCTACCGTTAGCCTGGAGGGTGCCTGCACTATTAGCAAGCGCG
 CGGATGCCGTCAGCGCCACCTGATCGTCATCTATACCAGCGACAGCAGCCTGGGCGTGGCGGGCCAG
 CGAAGCAGAGCAGCAAGCATGGTACAGCGCCCTGCTCGAGGTGCGCGCCACCGCCGAGCCGCTGCTGCT
 ACTGCTATGGGTTTCAGTCCCAAGAGGCCCTGAGTCTTGGATCTTCGCCCCATTCAGGACGTCTGGC
 CTGTGACACTGCGGTCCAAGGGCTGGGAGAGCACAAGGCCGTGAGCAGCGGCAGCTATCGCCTGTGCC
 GGGTTCTGGGGCCCTGAGCCTCTGCGAAAGCCTGGAAGCAAAGTTCCAGAGACAGCCGGCAACGCCA
 CCACCAGTCTGCGCTTGTCTTGTCTAGTGTGCGCCGCTGTGGCCACGACAGACTTTTTTCTTCTCTGG
 AACTCGGGCGCTCAGCGCCATTGGTCTGGTGAAGTCTGGCTGCAGGCTCCTGATGCAAGTGGTGGCCCA
 AAGCATTATGAGACAGTCTGGCTGCCATGAAGCGGCTGGGAGCAATGCAGCTGGCAAAGCTGAGCCA
 CCGCCACAGGAAATCCTCAAAGAGTGTCTGACGCTCCTACCCGACACCATATGAAATCCCTGCAT
 CGGCAGCACAAGCAAGAAGCCCCAGTGAAGCAGCAAGCAGGACTACTTCAAGCCCTGGAAGGATGGG
 GTCAACACACTCTACAAGGACTAGATCTGGGCGGAACTACATCACCATGGGAGTCAAGGATGACTAT
 GTCCACATGGGGGAGGAGAAGCAGGTGACTATATGTGGATGGCGCCCCAGGCCCTTCTCCACCCCTG
 CCAGGGCAGATCCTAATAAGCAGCTCGAGGATTTGAGAGCACAGAGTATGTGCCATGAATAGATTTTT
 ACCTGGGCTTTTTACTACGAGCTCAAGGCCAGGGAGTCTGAACCTGGGCATCCGGGTGCCATTGTAGC
 CTAGAGACAGATGGAGACCCACAGTGGCTCAGCCCCGCTCTTCCAAGGGTCAAGGCTCTCTGGGGACT
 ACATGTCCATCCCGACTATGTAGGAACGGACAGTGTAGGCTGGGGTCTCTGGACAGCTGCCTCAACTA
 TGTGGACCTGGACCTGGTCCCTCCCTGGAGGTTCTGGAGCAGCCCCAGGGAAGAGTCCACATAGCTAT
 GCCAGCATCAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215602 representing NM_010571
 Red=Cloning site Green=Tags(s)

MKPAGTGPTVSSGGECTDVSLGSPFPWCLPDVRLCGHLRQKQSRRRFFVLRADPPRLECYESEKKFLA
 SGCRRPPRRRTVSLEGACTISKRADARQRHLIVITYSDSSLGVAASEAEQQAWYSALLEVRATAAAAAA
 TAMGFSPQEAPESWIFAPFQDVVPVTLRSKGLGRAQGLSSGSYRLCLGSGALSLLRKPGSKGSRDSRATP
 PPVLRLLSLLSVRRCGHADSFFLELGRSAPIGPGLWLPDVAVVAQSIHETVLAAMKRLGSNAAGKAEP
 PPQGNPPKSVPAAPTPTPYEIPASAAQARSPSERAKQDYFKPLERMGSTHYSYKGLDLGGNYITMGRNDY
 VHMGGGEAGDYMMAPPGLPPTPARADPNKQLEDCESTEYVPMNRFLPGPFYELKARESELGHPGAHCS
 LRDRWRPTVAQPRSSQGSSELSGDYMSIPDYVGTDSARLGLDCLNYVDLDPVPLEVPGAAPGKSPHSY
 ASIKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9075_e06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_010571

ORF Size: 1485 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:

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_010571.3](#), [NP_034701.1](#)

RefSeq Size: 2337 bp

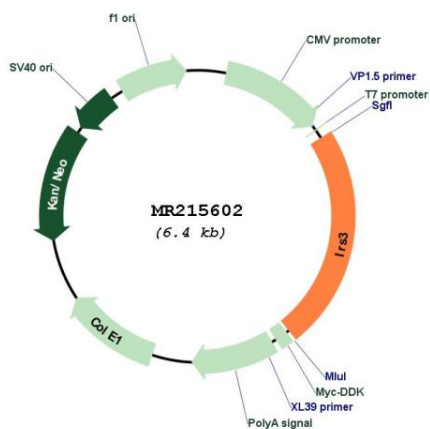
RefSeq ORF: 1488 bp

Locus ID: 16369

Cytogenetics: 5 G2

MW: 53.4 kDa

Product images:



Circular map for MR215602