

Product datasheet for MR226148

Irs1 (NM_010570) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irs1 (NM_010570) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irs1
Synonyms:	G972R; IRS-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226148 representing NM_010570 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR226148 representing NM_010570
 Red=Cloning site Green=Tags(s)

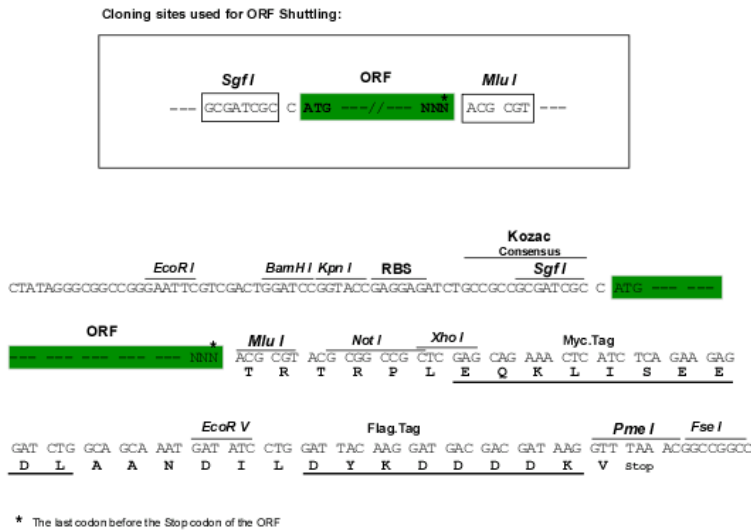
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Chromatograms: https://cdn.origene.com/chromatograms/ja1385_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

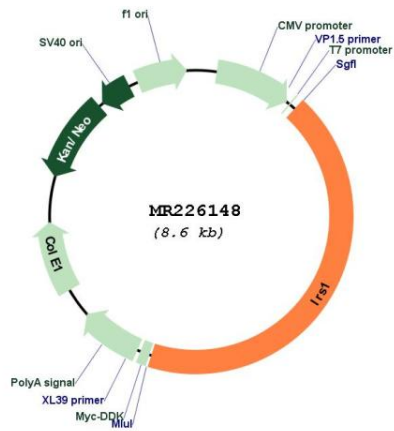


ACCN: NM_010570

ORF Size: 3693 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_010570.4 , NP_034700.2
RefSeq Size:	9163 bp
RefSeq ORF:	3696 bp
Locus ID:	16367
UniProt ID:	P35569
Cytogenetics:	1 42.0 cM
MW:	131 kDa
Gene Summary:	May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226148