

Product datasheet for **RR205928**

Eif2s1 (NM_019356) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eif2s1 (NM_019356) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eif2s1
Synonyms: MGC93488
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205928 representing NM_019356
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGGTCTAAGTTGTAGATTTTATCAACACAAATTCCTGAGGTCGAAGATGTAGTGATGGTGAATG
TAAGATCCATTGCTGAAATGGGGCCTATGTCAGCTTGTGGAATATAAACATTGAAGGCATGATTCT
TCTTAGTGAATTATCCAGACGACGTATCCGTTCTATAAACAACCTGATCCGAATTGGCAGAAATGAATGT
GTAGTTGTCAATTAGAGTGGATAAAGAAAAGGATATATAGATTTGTCAAAAAGAAGATTTCTCCAGAGG
AAGCAATCAAATGTGAAGACAAATTCACAAAATCCAAAACCTGTTTATAGCATTCTTCGCCATGTTGCTGA
GGTATTAGAGTATACCAAGGATGAGCAGCTGAAAGCCTATTCCAGAGGACTGCCTGGGTCTTTGATGAC
AAGTACAAGAGACCTGGATATGGTGCCTATGATGCCTTTAAGCATGCAGTCTCAGACCCATCTATCTTG
ATAGTTTAGATTTGAATGAAGATGAAAGAGAAGTACTCATTAAACAATATCAATAGGCGTTTGACCCACA
AGCTGTCAAGATTCGAGCAGATATTGAGGTAGCTTGTATGGTTACGAAGGCATTGATGCTGTA AAAAGAA
GCCCTGAGAGCAGGTTTGAATTGTTCTACAGAAACCATGCCATCAAGATTAATCTAATAGCTCCACCCA
GGTATGTGATGACAACAACGACCCTAGAGAGGACAGAAGGACTCTGTTCTCAATCAGGCTATGGCAGT
CATCAAAGAAAAGATTGAGGAGAAGAGGGGAGTGTTCATGTTTCAGATGGAGCCCAAAGTGTTACAGAT
ACAGATGAGACTGAACTTGCAAGGCAGCTGGAACGGCTTGAGAGAGAAAATGCAGAAGTGGATGGAGATG
ATGATGCAGAAGAAATGGAAGCCAAAGCTGAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205928 representing NM_019356
Red=Cloning site Green=Tags(s)

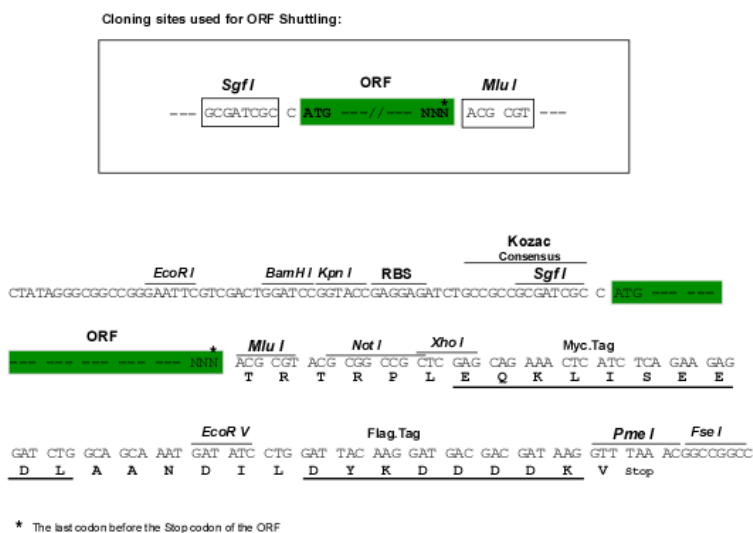
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 VVYIRVDKKEGYIDLKRRVSPPEAIKCEDKFTKSKTVYSILRHVAEVLEYTKDEQLES LFQRTAWVFDD
 KYKRPGYGAYDAFKHAVSDPSILDSLNLNEDEREVLINNINRRLTPQAVKIRADIEVACYGYEGIDAVKE
 ALRAGLNCSTETMPIKINLIAPPRVYMTTTLERTEGLSVLNQAMAVIKEKIEEKRGVFNVMPEPKVVTD
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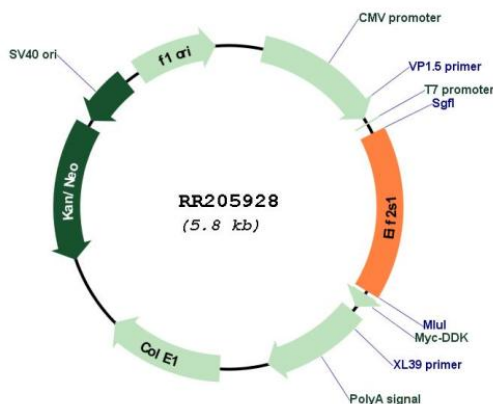
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019356

ORF Size: 945 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_019356.1 , NP_062229.1
RefSeq Size:	1377 bp
RefSeq ORF:	948 bp
Locus ID:	54318
UniProt ID:	P68101
Cytogenetics:	6q24
MW:	36.1 kDa
Gene Summary:	subunit of translational initiation factor eIF-2; forms ternary complex with methionyl-tRNA ⁱ and GTP and promotes the binding of the initiator tRNA to 40 S ribosomal subunits [RGD, Feb 2006]