

Product datasheet for MR218074

Eif5b (NM_198303) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif5b (NM_198303) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eif5b
Synonyms:	A030003E17Rik; BC018347; IF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218074 representing NM_198303 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR218074 representing NM_198303
Red=Cloning site Green=Tags(s)

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Chromatograms: https://cdn.origene.com/chromatograms/mm9109_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

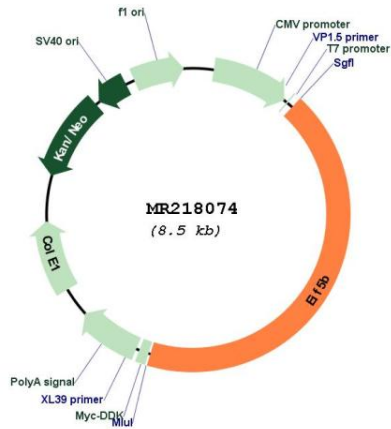


ACCN: NM_198303

ORF Size: 3648 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_198303.2 , NP_938045.2
RefSeq Size:	7797 bp
RefSeq ORF:	3651 bp
Locus ID:	226982
UniProt ID:	Q05D44
Cytogenetics:	1 B
MW:	137.6 kDa
Gene Summary:	Plays a role in translation initiation. Translational GTPase that catalyzes the joining of the 40S and 60S subunits to form the 80S initiation complex with the initiator methionine-tRNA in the P-site base paired to the start codon. GTP binding and hydrolysis induces conformational changes in the enzyme that renders it active for productive interactions with the ribosome. The release of the enzyme after formation of the initiation complex is a prerequisite to form elongation-competent ribosomes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218074