

Product datasheet for **RC223143**

EIF3CL (NM_001099661) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF3CL (NM_001099661) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EIF3CL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC223143 representing NM_001099661
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGCGGTTTTTCACCACCGTTTCGGACAGCGAGTCCGAGTCGTCCTTGTCCGGGGAGGAGCTCGTCA
 CCAAACCTGTTCGAGGCAACTATGGCAAACAGCCATTGTTGCTGAGCGAGGATGAAGAAGATACCAAGAG
 AGTTGTCCGCAAGTCCAAGGACAAGAGGTTTGGAGAGCTGACCAACCTTATCCGGACCATCCGTAATGCC
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 AAAGCATTGTGGACAAAGAAGGTGTCCCCCGTTCTATATCCGCATCCTGGCTGACCTAGAGGACTATCT
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 CAGACGGCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RC223143 representing NM_001099661
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MSRFFTTGSDSESSLGSEELVTKPVGGNYGKQPLLLSEDEEDTKRVVRSKDKRFEELTNLIRTRNA
MKIRDVTKCLEEFELLGKAYGKAKSIVDKEGVPRFYIRILADLEDYLNELWEDKEGKKMNKNAKALST
LRQKIRKYNRDFESHITSYKQNPESQSADEDAEKNEEDSEGSSDEDEDEDGVSAAFLKKKSEAPSGESRK
FLKKMDEDEDESDSEDEDWDTGSTSSDSDSEEEEGKQTALASRFLKKAPTDEDKKAEEKKREDKAKK
KHDRKSKRLDEEEEDNEGGEWERVRGGVPLVKEKPKMFAKGTEITHAVVIKKNLNEILQARGKKGTDRAA
QIELLQLLVQIAAENNLGEGVIVKIKFNIIASLYDYNPNLATYMKPEMWGKCLDCINELMDILFANPNIF
VGENILEESENLHADQPLRVRGCILTLVERMDEEFTKIMQNTDPHSQEYVEHLKDEAQVCAIIEVRQRY
LEEKGTTEEVCRIYLLRILHTYYKFDYKAHQRLTPPEGSSKSEQQAENEGEDSAVLMERLCKYIYAKD
RTDRIRTCAILCHYHHALHSRWYQARDLMLSHLQDNIQHADPPVQILYNRTMVQLGICAFRQGLTKDA
HNALLDIQSSGRAKELLGQGLLRSLQERNQEKEKVERRRQVPFHLHINLELLECVYLVSAMLLEIPYMA
AHESDARRRMISKQFHHQLRVGERQPLLGPPEMREHVVAASKAMKMGDWKTCHSFIINEKMNGKVDLFL
PEADKVRTMLVRKIQEESLRTYLFYSSVYDSISMETLSDMFELDLPTVHSIISKMIINEELMASLDQPT
QTVVMHRTEPTAQQLALQLAEKLGSLVENNERVFDHKQGTGGYFRDQKDGGRKNEGYMRRGGYRQQQS
QTAY
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8101_e02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

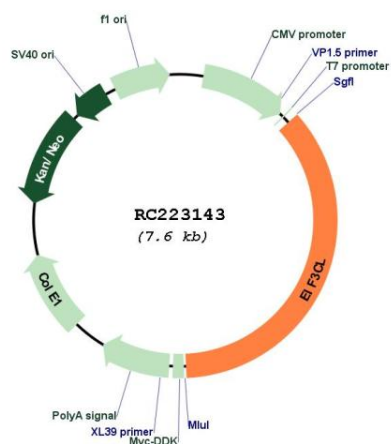


* The last codon before the Stop codon of the ORF

ACCN: NM_001099661

ORF Size:	2742 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_001099661.2
RefSeq Size:	3053 bp
RefSeq ORF:	2745 bp
Locus ID:	728689
UniProt ID:	B5ME19
Cytogenetics:	16p12.1
Protein Families:	Druggable Genome
MW:	105.5 kDa
Gene Summary:	The protein encoded by this gene is a core subunit of the eukaryotic translation initiation factor 3 (eIF3) complex. The encoded protein is nearly identical to another protein, eIF3c, from a related gene. The eIF3 complex binds the 40S ribosome and mRNAs to enable translation initiation. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Dec 2015]

Product images:



Circular map for RC223143