

## Product datasheet for **SC319181**

### EIF3K (NM\_013234) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EIF3K (NM_013234) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF3K
Synonyms:	ARG134; EIF3-p28; EIF3S12; HSPC029; M9; MSTP001; PLAC-24; PLAC24; PRO1474; PTD001
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_013234.2  
ACCACCTCTTCTGTTCCCGTCCTTGAGGACGCCGTGCCGGGTCAGTGTTAGCCTCCAGC  
CCTGGTTGTGGAAGCGACAGAAGTCATGGCGATGTTTGAGCAGATGAGAGCCAACGTGG  
GCAAGTTGCTCAAGGGTATCGACAGGTACAATCCTGAGAACCTGGCCACCCTGGAGCGCT  
ATGTAGAGACGCAGGCCAAGGAAAATGCCTATGATCTGGAAGCCAACCTGGCTGTCTGA  
AGCTGTACCAGTCAACCCAGCCTTCTTTCAGACCACGGTCACCGCCAGATCCTGCTGA  
AGGCCCTACCAACTTGCCGCACACAGACTTCACCCTGTGCAAGTGCATGATCGACCAGG  
CACATCAAGAAGAACGGCCAATCCGACAGATTTTGTACCTCGGGGACCTGCTGGAGACCT  
GCCATTTCCAGGCCTTCTGGCAAGCCCTGGATGAAAACATGGACCTCTTGAAGGTATAA  
CTGGCTTTGAAGACTCTGTCCGAAAGTTTATCTGCCATGTTGTGGGTATCACTTACCAGC  
ACATTGACCGCTGGCTGTGGCCGAGATGCTCGGGGATCTGTCCGACAGCCAGCTAAAGG  
TGTGGATGAGCAAATACGCTGGAGTGCCGACGAGTCGGGGCAGATCTTCATCTGTAGCC  
AAGAAGAGAGCATTAAACCCAAGAACATTGTGGAGAAGATTGACTTTGACAGTGTGTCCA  
GCATCATGGCCTCCTCCAGTAACCTCAGGTGTTAATAAAGATGTGTTGACTCAAAAAA  
AAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_013234
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_013234.2</a> , <a href="#">NP_037366.1</a>
<b>RefSeq Size:</b>	910 bp
<b>RefSeq ORF:</b>	657 bp
<b>Locus ID:</b>	27335
<b>UniProt ID:</b>	<a href="#">Q9UBQ5</a>
<b>Cytogenetics:</b>	19q13.2
<b>Gene Summary:</b>	<p>The 700-kD eukaryotic translation initiation factor-3 (eIF3) is the largest eIF and contains at least 12 subunits, including EIF2S12. eIF3 plays an essential role in translation by binding directly to the 40S ribosomal subunit and promoting formation of the 40S preinitiation complex (Mayeur et al., 2003 [PubMed 14519125]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>