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Product datasheet for SC326809

KLF6 (NM_001160124) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLF6 (NM_001160124) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLF6
Synonyms:	BCD1; CBA1; COPEB; CPBP; GBF; PAC1; ST12; ZF9
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Neo
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001160124, the custom clone sequence may differ by one or more nucleotides

ATGGACGTGCTCCCCATGTGCAGCATCTTCCAGGAGCTCCAGATCGTGCACGAGACCGGCTACTTCTCGG
CGCTGCCGTCTCTGGAGGAGTACTGGCAACAGACCTGCCTAGAGCTGGAACGTTACCTCCAGAGCGAGCC
CTGCTATGTTTCAGCCTCAGAAATCAAATTTGACAGCCAGGAAGATCTGTGGACCAAAATCATTCTGGCT
CGGGAGAAAAAGGAGGAATCCGAACTGAAGATATCTTCCAGTCCTCCAGAGGACACTCTCATCAGCCCGA
GCTTTTGTTACAACTTAGAGACCAACAGCCTGAACTCAGATGTCAGCAGCGAATCCTCTGACAGCTCCGA
GGAACTTTCTCCCACGGCCAAGTTTACCTCCGACCCCATTGGCGAAGTTTTGGTCAGCTCGGGAAAATTG
AGCTCCTCTGTCACCTCCACGCCTCCATCTTCTCCGGAACTGAGCAGGGAACCTTCTCAACTGTGGGGTT
GCGTGCCCGGGGAGCTGCCCTCGCCAGGGAAGGTGCGCAGCGGGACTTCGGGGAAGCCAGGAGAAAAGCC
TTACAGATGCTCATGGGAAGGGTGTGAGTGGCGTTTTGCAAGAAGTGATGAGTTAACCAGGCACTTCCGA
AAGCACACCGGGGCCAAGCCTTTTAAATGCTCCCACTGTGACAGGTGTTTTTCCAGGTCTGACCACCTGG
CCCTGCACATGAAGAGGCACCTCTGA

Restriction Sites:	Please inquire
ACCN:	NM_001160124

View online »

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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 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.
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:	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_001160124.1, NP_001153596.1
RefSeq Size:	4553 bp
RefSeq ORF:	726 bp
Locus ID:	1316
UniProt ID:	Q99612
Cytogenetics:	10p15.2
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

Gene Summary: This gene encodes a member of the Kruppel-like family of transcription factors. The zinc finger protein is a transcriptional activator, and functions as a tumor suppressor. Multiple transcript variants encoding different isoforms have been found for this gene, some of which are implicated in carcinogenesis. [provided by RefSeq, May 2009]
Transcript Variant: This variant (B), also known as sv2, uses an alternate splice site in the central coding region that results in a frameshift, compared to variant A. The resulting isoform (B) has a shorter and distinct C-terminus, compared to isoform A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.