

Product datasheet for SC322544

KLF12 (NM_007249) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLF12 (NM_007249) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLF12
Synonyms:	AP-2rep; AP2REP; HSPC122
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322544
AATGTGACTCTAAGAACAATGGATGAATGAATATCCATATGAAGAGAAAAACAATAAAG
AATATCAACACCTTTGAGAACAGAATGTTAATGCTTGATGGGATGCCGGCAGTCAGAGTC
AAAACAGAGCTTTTGAATCTGAACAAGGGTCTCCAAACGTCCACAACATATCCCGATATG
GAAGCCGTTCCCTGTTGCTAAATAATGTGAAAGGGGAGCCCCGGAGGACTCGTTATCT
GTAGATCACTTCCAAACAAAACTGAGCCAGTGGACTTGTCAATAAAACAAAGCCAGGACG
TCCCCTACTGCCGTTTCATCCTCCCACTTTCCATGACAGCATCTGCCTCCTCACCTTCT
TCAACTTCAACCTCTTCATCGTCTTCTAGTCGTCTAGCCTCATCCCCAACTGTTATCACA
TCAGTATCTTCAGCGTCATCTTCGTCAACAGTATTAACCCAGGGCCCTTGTGGCCTCT
GCATCTGGTGTGGAGGCCAGCAGTTTTTGCACATTATCCATCCCGTACCGCCTTCAAGT
CCCATGAATTTACAGTCTAACAACTGAGTCATGTTACCCGCATCCCGTGGTGGTACAG
TCGGTGCCTGTTGCTACACAGCTGTAAGGTCACCTGGAATGTGAACAACACTATTGTC
GTGCCGCTTTTGGAGGATGGGAGAGGCCATGGCAAAGCACAAATGGACCCCGAGGCCTA
TCTCCCAGACAAAGTAAAAGTGACAGTGATGATGACCTGCCAAATGTGACCTTAGAT
AGCGTTAATGAACTGGATCTACGGCCCTTTCCATAGCCAGAGCAGTACAAGAGGTACAT
CCGTCCCAGTATCAAGGGTCCGGGAAATCGAATGAATAATCAAAGTTTCTTGTTC
ATTTACCATTAGTATTGAGAGCACAAGACGCCAGAGACGGTCTGAATCCCAGACTCC
AGAAAACGGCGTATCCACAGATGTGATTTTGGGGATGCAACAAAGTGTACAAAAAAGT
TCTCACCTGAAGGCTCACCGGAGGACACATACAGGAGAGAAACCTTACAAGTGTACCTGG
GAAGGCTGCACCTGGAAGTTCGCTCGTTAGATGAACTGACGAGGCATTACCGCAAACAT
ACGGGAGTGAAGCCATTCAAGTGCAGGACTGTGATCGCAGCTTTTCCCGTCTAGATCAT
TTGGCCCTGCACCGCCGAGGCATATGTTGGTGTGAGGAATGCTACCTGTCCAGCTGAGC
GTAAGAGCTGGATCTCTTAGCGGCACCAATTCAGCAGGGCTGAATCCCCTTACAGTGT
TAACACAAAAGGGCATCACCATCCCACGATGTCTGAAACCAGAGCAGGAAAAAGAAGGCA
CACTTCTTTTGGTCTGAAGGTAACCCCATCATGACTAGACGAGAACCGTCTTTACGCGG
GCCTGGGAGCTCAGTGACATAAATGCTGAAGAGACAGGCATTGTTTTCCGTGCTGTGTC
TCTGCCATTTAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_007249
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).
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:	<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_007249.4 , NP_009180.3
RefSeq Size:	10923 bp
RefSeq ORF:	1209 bp
Locus ID:	11278
UniProt ID:	Q9Y4X4
Cytogenetics:	13q22.1
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	<p>Activator protein-2 alpha (AP-2 alpha) is a developmentally-regulated transcription factor and important regulator of gene expression during vertebrate development and carcinogenesis. The protein encoded by this gene is a member of the Kruppel-like zinc finger protein family and can repress expression of the AP-2 alpha gene by binding to a specific site in the AP-2 alpha gene promoter. Repression by the encoded protein requires binding with a corepressor, CtBP1. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) is the longer transcript and encodes the longer isoform (a).</p>