

Product datasheet for **SC118762**

c-Jun (JUN) (NM_002228) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	c-Jun (JUN) (NM_002228) Human Untagged Clone
Tag:	Tag Free
Symbol:	c-Jun
Synonyms:	AP-1; AP1; c-Jun; cJUN; p39
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_002228 edited
 GAATTCGGCACGAGGGTGGCTGAAGCAGCGAGGCGGGAGTGGAGGTGCGCGGAGTCAGGC
 AGACAGACAGACACAGCCAGCCAGCCAGGTCGGCAGTATAGTCCGAACTGCAAATCTTAT
 TTTCTTTTACCTTCTCTCTAACTGCCAGAGCTAGCGCCTGTGGCTCCCGGGTGGTGT
 TTCGGGAGTGTCCAGAGAGCCTGGTCTCCAGCCGCCCCGGGAGGAGAGCCCTGCTGCC
 AGGCGCTGTTGACAGCGGCGAAAGCAGCGGTACCCACGCGCCCGCGGGGAAGTCGGC
 GAGCGGTGCAGCAGCAAAGAACTTTCCCGCTGGGAGGACCGGAGACAAGTGGCAGAGT
 CCCGGAGCGAACTTTTGCAAGCCTTCTCTGCGTCTTAGGCTTCTCCACGCGGTAAGAC
 CAGAAGGCGGCGAGAGCCACGCAAGAGAAGAAGGACGTGCGCTCAGCTTCGCTCGCACC
 GGTGTTGAACTTGGGCGAGCGGAGCCGCGGCTGCCGGGCGCCCCCTCCCCTAGCAGC
 GGAGGAGGGGACAAGTCGTGCGAGTCCGGGCGGCCAAGACCCGCGCCGGCCGCGCCACTG
 CAGGGTCCGCACTGATCCGCTCCGCGGGAGAGCCGCTGCTCTGGGAAGTGAGTTCGCT
 GCGGACTCCGAGAACCGCTGCGCCGAAGAGCGCTCAGTGAGTGACCGGACTTTTCAA
 AGCCGGGTAGCGCGCGAGTCGACAAGTAAGAGTGCGGGAGGCATCTTAATTAACCCTG
 CGCTCCCTGGAGCGAGCTGGTGAGGAGGCGCAGCGGGGACGACAGCCAGCGGGTGCCTG
 CGCTTTAGAGAACTTTCCCTGTCAAAGGCTCCGGGGGCGCGGGTGTCCCCCGCTTGC
 CAGAGCCCTGTTGCGGCCCGAAACTTGTGCGCGAGCCAAACTAACCTCACGTGAAAGT
 GACGGACTGTTCTATGACTGCAAAGATGGAAACGACCTTCTATGACGATGCCCTCAACGC
 CTCGTTCTCCCGTCCGAGAGCGGACCTTATGGCTACAGTAACCCCAAGATCCTGAAACA
 GAGCATGACCCGAACTGGCCGACCCAGTGGGAGCCTGAAGCCGCACTCCGCGCCAA
 GAACTCGACCTCCTCACCTCGCCGACGTGGGGCTGCTCAAGCTGGCGTCGCCCCGAGCT
 GGAGCCCTGATAATCCAGTCCAGCAACGGGCACATCACCACCAGCCGACCCCAACCA
 GTTCTGTGCCCAAGAACGTGACAGATGAGCAGGAGGGCTTCGCCGAGGGCTTCGTGCG
 CGCCCTGGCCGAACTGCACAGCCAGAACACGCTGCCAGCGTCACGTCCGCGGCGCAGCC
 GGTCAACGGGGCAGGCATGGTGGCTCCCGCGGTAGCCTCGGTGGCAGGGGCGAGCGGCG
 CGGCGGCTTACGCGCAGCCTGCACAGCGAGCCGCGGTCTACGCAAACCTCAGCAACTT
 CAACCCAGGCGCGCTGAGCAGCGCGGCGGGGCGCCCTCTACGGCGCGGCGGCTGGC
 CTTTCCCGCGCAACCCAGCAGCAGCAGCAGCCGCGCACCACTGCCCCAGCAGATGCC
 CGTGCAGCACCCGCGGTGCAGGCCCTGAAGGAGGAGCCTCAGACAGTCCCGGAGATGCC
 CGGCGAGACCCGCCCTGTCCCCATCGACATGGAGTCCAGGAGCGGATCAAGGCGGA
 GAGGAAGCGCATGAGGAACCGCATCGCTGCCTCCAAGTCCGAAAAAGGAAGCTGGAGAG
 AATCGCCCGGCTGGAGGAAAAAGTGAAAACCTTAAAGCTCAGAACTCGGAGCTGGCGTC
 CACGGCCAAATGCTCAGGGAACAGGTGGCACAGCTTAAACAGAAAGTCATGAACCAGT
 TAACAGTGGGTGCCAACTCATGCTAACGCAGCAGTTGCAAACATTTTGAAGAGAGACCGT
 CGGGGGCTGAGGGGCAACGAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002228 unedited
 GAATTCGGCACGAGGGTGGCTGAAGCAGCGAGGCGGGAGTGGAGGTGCGCGGAGTCAGGC
 AGACAGAACAGAACACAGCCAGCCAGCCAGGTCGGCAGTATAGTCCGAACTGCAAATCTT
 ATTTTCTTTTACCTTCTCTCTAACTGCCAGAAGCTAGCGCCTGTGGCTCCCGGGTGG
 TGTTCGGGAGTGTCCAGAGAGCCTGGTCTCCAGCCGCCCCGGGAGGAGAGCCCTGCTG
 CCCAGGCGCTGTTGACAGCGGCGAAAGCAGCGGTACCCACGCGCCCGCGGGGAAGTC
 GGGCAGCGGCTGCAGCAGCAAAGAACTTTCCCGCTGGGAGGACCGGAGACAAGTGGCAG
 AGTCCCGGAGCGAACTTTTGCAAGCCTTCTCTGCGTCTTAGGCTTCTCCACGCGGTAA
 GACCAGAAGGCGGCGGAGAGCCACGCAAGAGAAGAAGGACGTGCGCTCAGCTTCGCTCGC
 ACCGGTTGTTGAACTTGGGCGAGCGGAGCCGCGGCTGCCGGGCGCCCCCTCCCCTAGC
 AGCGGAGGAGGGGACAAGTCGTGCGGAGTCCGGGCGGCCAGACCCNNGCGGGCCGGCACT
 GCANGGTTCGCACTGATCCGCTCCGCGGGGAGAGCCGCTGCTTGGGAAGTGAGTTCGCT
 GCGGGACTCGAGAACCCTGCGCCGAGAGCGCTCAGTGAGTGACCGGACTTTTCAAGCC
 GGNTANCGCGCGGAGTCCACAGTTAAAAGTGGGGAGGCATCTATTTAACCTGCGCT
 CCCTGA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002228 unedited TTAGCTATGGACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTCGTTGC CCCTCAGCCCCGACGGTCTCTCTTCAAATGTTTGCAACTGCTGCGTTAGCATGAGTTG GCACCCACTGTTAACGTGGTTCATGACTTTCTGTTAAGCTGTGCCACCTGTTCCCTGAG CATGTTGGCCGTGGACGCCAGCTCCGAGTTCTGAGCTTCAAGTTTTCACTTTTTCTC CAGCCGGGCGATTCTCTCCAGCTTCCTTTTTCGGCACTTGAGGACGCGATGCGGTTCT CATGCGTTCCTCTCCGCTTGATCCGCTCCTGGGACTCCATGTCGATGGGGGACAGGGG CGGTGCTCGCCGGCATCTCGGGCACTGTCTGAGGCTCCTCCTCAGGGCTGCAGCCG CGGTGCTGCACGGCATCTGCTGGGCAAGGTGGTGCGGCGGCTGCTGCTGCTGCTGGG TTGCGCGGAAAGGCCAGGCCGCGCCGCGTAGGAGGGCGCCCGCCGCTGCTCAN CGCGCCTGGGTTGAAGTTGCTGAGGTTTTCGTAACCGCGGCTCGTGTGCAGGCTGGC GCTGAANCCGCGCTGCCGCTGCCCCCTGCCACCGAGGCTACCGCGGAGCCACCATGC CTGCCCGTTGACCGCTGCGCCCGACGTGACGCTGGGAGCGTGTCTGGCTGTGCC AATTCGCCAGGGCGCGCACGAAACCTTCGCGAAGCCCTCCTGCTCATCTGTACGTTCT TGGGGCACAGAACTGGGGTGGGGTTCGCGGTGGGGGGAATTACCCCTTCTTGACTG GATTATAAGGGCTTCACTTGGGGGAGGCCAGCTTGAGAATCCACCTCGGGGAGGTG GGGGGGCTCATTCTTGGTCCCGGGGGCGGGTTCAAGCTCAC
Restriction Sites:	NotI-NotI
ACCN:	NM_002228
Insert Size:	2080 bp
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).
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_002228.3 , NP_002219.1
RefSeq Size:	3338 bp
RefSeq ORF:	996 bp
Locus ID:	3725
UniProt ID:	P05412
Cytogenetics:	1p32.1
Domains:	BRLZ, Jun
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

Protein Pathways: B cell receptor signaling pathway, Colorectal cancer, Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Focal adhesion, GnRH signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, Pathways in cancer, Renal cell carcinoma, T cell receptor signaling pathway, Toll-like receptor signaling pathway, Wnt signaling pathway

Gene Summary: This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies. [provided by RefSeq, Jul 2008]