

Product datasheet for **SC122294**

IL24 (BC009681) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL24 (BC009681) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL24
Synonyms:	C49A; FISP; IL-24; IL-24 splice variant delE3; IL-24 splice variant delE5; IL10B; Interleukin 24; mda-7; MDA7; melanoma differentiation association protein 7; Mob-5; OTTHUMP00000034620; ST16; suppression of tumorigenicity 16 (melanoma differentiation)
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC009681 edited

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ATGACTTCCACGGCTGGGACGGGAACCTTCCACCCACAGCTATGCCTCTGATTGGTGAAT
GGTGAAGGTGCCTGTCTAACTTTTCTGTAAAAAGAACCAGCTGCCTCCAGGCAGCCAGCC
CTCAAGCATCACTTACAGGACCAGAGGGACAAGACATGACTGTGATGAGGAGCTGCCTTC
GCCAATTTAACACCAAGAAGAATTGAGGCTGCTTGGGAGGAAGGCCAGGAGGAACACGAG
ACTGAGAGATGAATTTTCAACAGAGGCTGCAAAGCCTGTGGACTTTAGCCAGCAGACCCT
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GTTTTACCTTGCTTCTCTGGAGCCAGGTATCAGGGGCCAGGGCCAAGAATCCACTTTG
GGCCCTGCCAAGTGAAGGGGTTGTTCCCCAGAACTGTGGGAAGCCTTCTGGGCTGTGA
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TGAAAACGTGTTTTCAAAAACCTACCACAATAGAACAGTTGAAGTCAGGACTCTGAAGTCAT
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TCAAACAGTTGGACGTAGAAGCAGCTCTGACCAAAGCCCTTGGGGAAGTGGACATTCTTC
TGACCTGGATGCAGAAATCTACAAGCTCTGAATGTCTAGACCAGGACCTCCCTCCCTCC
GGCACTGGTTTGTTCCTGTGTCAATTTCAACAGTCTCCCTTCCTATGCTGTTCACTGGA
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TTCTTTAAGCAGCGCCAGTGACAGTCAGGGAAGGTGCCTCTGGATGCTGTGAAGAGTCTA
CAGAGAAGATTCTGTATTTATTACAACCTATTTAATTAATGTCAGTATTTCAACTGAA
GTTCTATTTATTTGTGAGACTGTAAGTTACATGAAGGCAGCAGAATATTGTGCCCATGC
TTCTTTACCCCTACAATCCTTGCCACAGTGTGGGCAAGTGGATGGGTGCTTAGTAAGTA
CTTAATAAACTGTGGTGTCTTTTTTGGCCTGTCAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for BC009681 unedited CCGGAGTTAGTACGCCTGGGGATCCTTCCCCTGTTTTGACCTCCATAGAAGAACCAGGA CCGATCCAGCCTCCGGGATCTAGCCTGAGGGCGCGGGACGGATAACAATTCACACAGGA AACAGCTATGACCATTAGGCCTATTTAGGTGACACTATAGAACAAGTTGTACAAAAAG CAGGCTGGTACCGGTCCGAATTCCCAGGATATCGTCGACCCACGCGTCCGATGACTTCC ACGGGTGGGACGGGAACCTTCCACCCACAGCTATGCCTCTGATTGGTGAATGGTGAAGGT GCCTGTCTAACTTTTCTGTAAAAAGAACCAGCTGCCTCCAGGCAGCCAGCCCTCAAGCAT CACTTACAGGACAGAGGGACAAGACATGACTGTGATGAGGAGCTGCTTTCGCCAATTTA ACACCAAGAAGAATTGAGGCTGCTTGGGAGGAAGGCCANGAGGAACACGAGACTGAGAGA TGAATTTTCAACAGAGGCTGCAAAGCCTGTGGACTTTAGCCAGCAGACCCTTCTGCCCTC CTTTGCTGGGACAGCCTCTCAAATGCAGATGGTTGTGCTCCCTTGCCTGCGTTTTACCC TGGTTCTCTGGAGCCAGGTATCAAGGGCCACGGCCAAGAATCCACTTTGGGCCCTGCC ACATGAAAGGGTTGTTCCCAAGTCCCGGCTGCTGAACCAGGAGTTCTGCAGAACC TCTCGGATGCTGAAGAGCTGTACCTTGGCCACACCCGGTTGGAGTTCTATTGAAAACGGT TTCAAAACTACCCAATAGAACAGTGGAGGGAGGACTTTAAATCCTTGTCTATCTGGC GAAAN
Restriction Sites:	Please inquire
ACCN:	BC009681
Insert Size:	1309 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:	BC009681.1 , AAH09681.1
RefSeq Size:	1309 bp
Locus ID:	11009
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Gene Summary:

This gene encodes a member of the IL10 family of cytokines. It was identified as a gene induced during terminal differentiation in melanoma cells. The protein encoded by this gene can induce apoptosis selectively in various cancer cells. Overexpression of this gene leads to elevated expression of several GADD family genes, which correlates with the induction of apoptosis. The phosphorylation of mitogen-activated protein kinase 14 (MAPK7/P38), and heat shock 27kDa protein 1 (HSPB2/HSP27) are found to be induced by this gene in melanoma cells, but not in normal immortal melanocytes. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]