

Product datasheet for SC322386

IL24 (NM_181339) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL24 (NM_181339) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL24
Synonyms:	C49A; FISP; IL-24; IL10B; mda-7; MDA7; Mob-5; ST16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322386
 ATGACTTCCACGGCTGGGACGGGAACCTTCCACCCACAGCTATGCCTCTGATTGGTGAAT
 GGTGAAGGTGCCGTCTAACTTTTCTGTAAAAAGAACCAGCTGCCTCCAGGCAGCCAGCC
 CTAAGCATCACTTACAGGACCAGAGGGACAAGACATGACTGTGATGAGGAGCTGCTTTC
 GCCAATTTAACACCAAGAAGAATTGAGGCTGCTTGGGAGGAAGGCCAGGAGGAACACGAG
 ACTGAGAGATGAATTTTCAACAGAGGCTGCAAAGCCTGTGGACTTTAGCCAGCAGACCCT
 TCTGCCCTCCTTTGCTGGCGACAGCCTCTCAAATGCAGATGGTTGTGCTCCCTTGCTGG
 GTTTTACCCTGCTTCTCTGGAGCCAGGTATCAGGGGCCAGGGCCAAGAATTCACCTTTG
 GGCCTGCCAAGTGAAGGGGTTGTTCCCGAGAACTGTGGGAAGCCTTCTGGGCTGTGA
 AAGACACTATGCAAGCTCAGGATAACATCACGAGTGCCCGGCTGCTGCAGCAGGAGGTT
 TGCAGAACGTCTCGGATGCTGAGAGCTGTACCTTGCCACACCCTGCTGGAGTTCTACT
 TGAAGACTGTTTTCAAAAACCTACCACAATAGAACAGTTGAAGTCAGGACTCTGAAGTCAT
 TCTCTACTCTGGCCAACAACCTTTTCTCATCGTGTCAAACTGCAACCCAGTCAAGAAA
 ATGAGATGTTTTCCATCAGAGACAGTGCACACAGGCGGTTTCTGCTATTCGGGAGAGCAT
 TCAAACAGTTGGACGTAGAAGCAGCTCTGACCAAAGCCCTTGGGGAAGTGGACATTCTTC
 TGACCTGGATGCAGAAATTTACAAGCTCTGAATGTCTAGACCAGGACCTCCCTCCCCCT
 GGCCTGGTTTGTCCCTGTGTCATTTCAAACAGTCTCCCTTCTATGCTGTTCACTGGA
 CACTTCACGCCCTTGGCCATGGGTCCCATTCTTGGCCCAGGATTATTGTCAAAGAAGTCA
 TTCTTTAAGCAGGCCAGTGACAGTCAGGGAAGGTGCCTCTGGATGCTGTGAAGAGTCTA
 CAGAGAAGATTCTGTATTTATTACAACCTCTATTTAATTAATGTAGTATTTCAACTGAA
 GTTCTATTTATTTGTGAGACTGTAAGTTACATGAAGGCAGCAGAATATTGTGCCCATGC
 TTCTTTACCCCTCACAATCCTTGCCACAGTGTGGGGCAGTGGATGGGTGCTTAGTAAGTA
 CTTAATAAACTGTGGTGTCTTTTTTGGCCTGTCAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_181339



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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:	<u>NM_181339.1</u> , <u>NP_851936.1</u>
RefSeq Size:	1633 bp
RefSeq ORF:	147 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:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an internal segment, as compared to variant 1. The resulting shorter isoform (2) is identical to the C-terminal region of isoform 1.</p>