

Product datasheet for **SC318996**

SP140 (NM_007237) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SP140 (NM_007237) Human Untagged Clone
Tag:	Tag Free
Symbol:	SP140
Synonyms:	LYSP100; LYSP100-A; LYSP100-B
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_007237, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCAGCAGGGCCAGCAGGGGCAGATGGCAAGTGGAGACAGCAATCTCAACTTCAGG
ATGGTCGCAGAGATCCAGAACGTAGAGGGTCAGAACCTGCAGGAGCAGGTTTGCCTGAG
CCCATTTTCAGGTTCTTCAGAGAAAACAAGGTGGAGATTGCAAGTGAATAACAAGGCCA
TTTCCTTTCTTATGGGCTCCGAGACCGCTCCTTCATCTCCGAGCAGATGTATGAACAT
TTTCAAGAAGCTTTTAGAAACCTGGTCCCAGTGACAAGAGTGATGATTGTGTAAGTCACT
GAACTGGAGAAGACATTTGGCTGGTCACATCTGGAAGCATTGTTTCAGCAGGATTAACTG
ATGGCCTATCCTGATTTAAACGAGATTTACAGAAGCTTCCAGAATGTATGCTATGAACAC
TCACCTCTCCAAATGAATAATGTAAACGATTTAGAAGATAGACCCAGATTACTACCATAT
GGTAAACAAGAGAACAGCAATGCCTGTCATGAAATGGATGATATAGCAGTGCCTCAGGAA
GCCTTGAGCTCCTCGCAAGGTGTGAGCCAGGTTTCTCTTCAGAGTCTTGTGAGCAGTTA
GCTCTCCCAAAGGCTGGTGGAGGAGATGCTGAAGATGCACCCAGCCTACTACCAGGTGGG
GGAGTGTCTGTAACTTGCTATACAAATAGATGAAGGAGAATCAGAAGAAATGCCCAAG
TTACTGCCTTATGATACAGAAGTTCTAGAAAGCAACGGGATGATAGATGCGGCAAGGACA
TACAGCACAGCACCAGGGGAGAAACAGGGAGAGGAGGAAGGCAGGAACAGTCCCAGAAAA
AGAAACCAAGACAAGGAGAAGTACCAAGAGAGTCCAGAGGGAAGAGACAAAGAGACCTTT
GATCTAAAAACTCCCAAGTCACTAATGAAGGAGAACCAGAGAAGGGGCTCTGTCTACTA
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CAGGAAGCCTCTAGCTCCCTAGCAAGATGTGGGTGAGTTTCTTGTCTTCTACAGAGACC
TTTGATCTAAAGACTCCCAAGTCACTAATGAAGGAGAACCAGAGAAGGAGCTCAGTCTA
CTACCAGGTGAAGGAGAAGAGGGCAGTGATGACTGTTTCGGAATGTGTGATGGAGAAGAG
CGCCAGGAAGCCTCTAGCTCCCTAGCAAGACGTGGGTGAGTGTCTAGTGAAGTAAAAAT
CACCCAATGAATGAAGAAGGAGAATCAGAAGAGCTTGCTTCTAGCCTGCTATATGATAAT
GTACCAGGAGCGGAGCAATCAGCATATGAAAATGAGAAGTGTTCCTGTGTGATGTTTC
TCAGAAGAGGTGCCAGGAAGCCAGAACGACGGAAGTGTCAAGCGTGTGGCACA
ATGGATACTGTGGATATTGCAAACTCACTTTGGGAAACCAAGAGGAAAAGAAGA
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AATGATAATAGCAAAGCCGACGGCCAGGTGGTCTCCAGTGAAGAAGGCGAACGTGAAT
CTGAAAGACCTTTCCAAGATTAGGGGGAGAAAGAGAGGCAACCTGGAACCCGCTTCACT
CAGAGTGACAGAGCTGCACAGAAAAGAGTCCGATCAAGAGCTTCAAGAAAGCACAAAGAT
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TTACATAAGAAGAAATTGCGACGAAGGAATCTTGGTGAAGTGTATACAGACTGAGGATGGA
AAATGGTTCACCCACGGAATTTGAAATCAAAGGAGGCCATGCAAGTCAAAGAAGTGG
AGGCTGAGTGTGCGCTGTGGCGGTGGCCCTACGATGGCTGATGGAGAAATGGATTTCTG
CCTGATCCTCCAAGAATACGTTACAGGAAAAAAGAGAATACTGAAGTCTCAAAACAT
AGCTCAGTTGACCTTGTATGAGAACTGGATGAGTGTGAGGTGTGCCGGGACGGAGGG
GAGCTGTTCTGTTGCGACACTTGTTCAGAGTCTTCCATGAGGACTGTCACATCCCGCT
GTGGAAGCTGAGAGGACCCGTGGAATTGCATCTTCTGCAGGATGAAGGAGTCTCCGGGA
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TTGAAATGTGAGTTCCTCTCTTGAAGTCTATTGCTGTTCTGAGAGCTCCTTTTTTGGC
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TTGGATAAAATCAAGAAAAGGCTGAATGAGCACGTTACCCCAAGTGGAGGGGTTTGTGA
CAAGACATGCGCCTCATCTTCCAGAACACAGGGCCTCTTACAAGTACAAGGATTTTGGC
CAAATGGGATTTAGACTGGAGGCTGAGTTTGAAGAATTTCAAGGAAGTGTGCTATT
CAGGAAACAAATGGGAACAAT

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Restriction Sites: Please inquire

ACCN: NM_007237

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:	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_007237.3</u> , <u>NP_009168.3</u>
RefSeq Size:	3269 bp
RefSeq ORF:	2604 bp
Locus ID:	11262
UniProt ID:	<u>Q13342</u>
Cytogenetics:	2q37.1
Domains:	SAND, BROMO, PHD, Sp100
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a member of the SP100 family of proteins, which are share common domains including an N-terminal homogeneously staining region domain followed by a SP100/autoimmune regulator/NucP41/P75/deformed epidermal autoregulatory factor domain, a plant homeobox zinc finger, and a bromodomain. The encoded protein is interferon-inducible and is expressed at high levels in the nuclei of leukocytes. Variants of this gene have been associated with multiple sclerosis, Crohn's disease, and chronic lymphocytic leukemia. Alternative splicing results in multiple variants. [provided by RefSeq, Aug 2016] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The extent of this RefSeq transcript is supported by transcript alignments.