

## Product datasheet for **SC337379**

### SP140 (NM\_001278453) Human Untagged Clone

#### Product data:

|                           |                                           |
|---------------------------|-------------------------------------------|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | SP140 (NM_001278453) Human Untagged Clone |
| Tag:                      | Tag Free                                  |
| Symbol:                   | SP140                                     |
| Synonyms:                 | LYSP100; LYSP100-A; LYSP100-B             |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-Entry (PS100001)                    |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001278453, the custom clone sequence may differ by one or more nucleotides

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ATGCCCCAGCAGGGCCAGCAGGGGCAGATGGCAAGTGGAGACAGCAATCTCAACTTCAGGATGGTCGCAG
AGATCCAGAACGTAGAGGGTCAGAACCTGCAGGAGCAGGTTTGGCCTGAGCCCATTTTCAGGTTCTTCAG
AGAAAACAAGGTGGAGATTGCAAGTGCAATAACAAGGCCATTTCTTTCTTATGGGCCTCCGAGACCGC
TCCTTCATCTCCGAGCAGATGTATGAACATTTTCAAGAAGCTTTTAGAAACCTGGTCCCAGTGACAAGAG
TGATGTATTGTGTAAGTGAAGTGGAGAAGACATTTGGCTGGTCACATCTGGAAGCATTGTTTCAGCAG
GATTAACCTGATGGCCTATCCTGATTTAAACGAGATTTACAGAAGCTTCAGAATGTATGCTATGAACAC
TCACCTCTCCAAATGAATAATGTAACGATTTAGAAGATAGACCCAGATTACTACCATATGGTAAACAAG
AGAACAGCAATGCCTGTCATGAAATGGATGATATAGCAGTGCCTCAGGAAGCCTTGAGCTCCTCGCCAAG
GTGTGAGCCAGGTTTCTTTCAGAGTCTTGTGAGCAGTTAGCTCTCCAAAGGCTGGTGGAGGAGATGCT
GAAGATGCACCCAGCCTACTACAGTGTCTGTAACCTTGCTATACAAATAGATGAAGGAGAATCAGAAG
AAATGCCCAAGTTACTGCCTTATGATACAGAAGAGACCTTTGATCTAAAACTCCCAAGTCACTAATGA
AGGAGAACCAGAGAAGGGGCTCTGTCTACTACAGGTGAAGGAGAAGAGGGCAGTGATGACTGTTTCGGAA
ATGTGTGATGGAGAAGAGCGCCAGGAAGCCTCTAGCTCCCTAGCAAGACGTGGGTGAGTGTCTAGTGAAC
TAGAAAATCACCAATGAATGAAGAAGGAGAATCAGAAGAGCTTGCTTCTAGCCTGCTATATGATAATGT
ACCAGGAGCGGAGCAATCAGCATATGAAAATGAGAAGTGTTCCTGTGTCATGTGTTTCTCAGAAGAGGTG
CCAGGAAGCCCAGAAGCAAGGACGGAAGTGTCAAGCGTGTGGCACAATGGATACTGTGGATATTGCAA
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AATGAGAAGGCAGGAAAAACAGCAACAAAATGATAATAGCAAAGCCGACGGCCAGGTGGTCTCCAGTGAA
AAGAAGGCGAAGCTGAATCTGAAAGACCTTTCCAAGATTAGGGGGAGAAAGAGAGGCAACCTGGAACCC
GCTTCACTCAGAGTGACAGAGCTGCACAGAAAAGAGTCCGATCAAGAGCTTCAAGAAAGCACAAGATGA
AACTGTGGATTTTAAAGGCTCCTTTGCTTCCAGTGACCTGTGGTGGGGTGAAGGGAATTTTACATAAGAAG
AAATTGCAGCAAGGAATCTTGGTGAAGTGTATACAGACTGAGGATGGAAAATGGTTCACCCCCACGGAAT
TTGAAATCAAAGGAGGCCATGCAAGATCAAAGAACTGGAGGCTGAGTGTGCGCTGTGGCGGTGGCCCT
ACGATGGCTGATGGAGAATGGATTTCTGCCTGATCCTCCAAGAATACGTTACAGGAAAAAAGAGAATA
CTGAAGTCTCAAACAATAGCTCAGTTGACCCTTGTATGAGAACTGGATGAGTGTGAGGTGTGCCGGG
ACGGAGGGGAGCTGTTCTGTTGCGACACTTGTCAAGAGTCTCCATGAGGACTGTCACATCCCGCCTGT
GGAAGCTGAGAGGACCCGTGGAATTGCATCTTCTGCAGGATGAAGGAGTCTCCGGAAGCCAACAGTGT
TGTGAGGAATCTGAGGTCTGGAGAGGCAGATGTGTCCTGAGGAACAGTTGAAATGTGAGTTCCTCTCT
TGAAAGTCTATTGCTGTTCTGAGAGCTCCTTTTTTGCCAGATTCCATACTATTATTATATTAGAGAGGC
GTGTCAAGGCCTGAAGGAGCCCATGTGGTTGGATAAAATCAAGAAAAGGCTGAATGAGCAGGTTACCCC
CAAGTGGAGGGGTTTGTACAAGACATGCGCCTCATCTTCCAGAACCACAGGGCCTTTACAAGTACAAGG
ATTTTGGCCAAATGGGATTTAGACTGGAGGCTGAGTTTGAGAAGAATTTCAAGGAAGTGTGCTATTCA
GGAAACAAATGGGAACAATGA
  
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**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001278453

**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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RefSeq:</b>                | <u>NM_001278453.1, NP_001265382.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq Size:</b>           | 2928 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RefSeq ORF:</b>            | 2262 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Locus ID:</b>              | 11262                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID:</b>            | <u>Q13342</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Cytogenetics:</b>          | 2q37.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Families:</b>      | Druggable Genome, Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (5) lacks three alternate in-frame exons and uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (5) has the same N- and C-termini but is shorter compared to isoform 1.</p> |