

## Product datasheet for SC327005

### SRP54 (NM\_001146282) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | SRP54 (NM_001146282) Human Untagged Clone  |
| Tag:                      | Tag Free   |
| Symbol:                   | SRP54  |
| Synonyms:                 | SCN8   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC327005 representing NM_001146282.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCACCATTATCAATGAAGAGGTCTGCTATTGATCTTGAAGAGATGGCATCTGGTCTTAAACAAAAGA
AAAATGATTTCAGCATGCTGTATTTAAAGAACTTGTGAAGCTTGTAGACCCTGGAGTTAAGGCATGGACA
CCCACTAAAGGAAAACAAAATGTGATTATGTTTGGATTGCAAGGGAGTGGTAAAACAACAACATGT
TCAAAGCTAGCATATTATTACCAGAGGAAAGGTTGGAAGACCTGTTTAAATATGTGCAGACACATTCAGA
GCAGGGGCTTTGACCACTAAAACAGAATGCTACCAAAGCAAGAATCCATTTTATGGAAGCTATACA
GAAATGGATCCTGTCATCATTGCTTCTGAAGGAGTAGAGAAATTTAAAAATGAAAATTTGAAATTATT
ATTGTTGATACAAGTGGCCGCCACAAACAAGAAGACTCTTTGTTTGAAGAAATGCTTCAAGTTGCTAAT
GCTATACAACCTGATAACATTGTTTATGTGATGGATGCCTCCATTGGGCAGGCTTGTGAAGCCCAGGCT
AAGGCTTTTAAAGATAAAGTAGATGTAGCCTCAGTAATAGTGACAAAACCTTGATGGCCATGCAAAAAGGA
GGTGGTGCCTCAGTGCAGTCCGCTGCCACAAAAGTCCGATTATTTTCAATTGGTACAGGGGAACATATA
GATGACTTTGAACCTTTCAAACACAGCCTTTTATTAGCAAACCTCTTGGTATGGGCGACATTGAAGGA
CTGATAGATAAAGTCAACGAGTTGAAGTTGGATGACAAATGAAGCCTTATAGAGAAGTTGAACATGGT
CAGTTTACGTTGCGAGACATGTATGAGCAATTTCAAAAATCATGAAAATGGGCCCTTCAGTCAGATC
TTGGGGATGATCCCTGGTTTTGGGACAGATTTTATGAGCAAAGGAAATGAACAGGAGTCAATGGCAAGG
CTAAAGAAATTAATGACAATAATGGATAGTATGAATGATCAAGAACTAGACAGTACGGATGGTGCCAAA
GTTTTTAGTAAACAACCGAAGAATCCAAAGAGTAGCAAGAGGATCGGGTGTATCAACAAGAGATGTT
CAAGAACCTTTGACACAATATACCAAGTTTGCACAGATGGTAAAAAGATGGGAGGTATCAAAGGACTT
TTCAAAGGTGGCGACATGTCTAAGAATGTGAGCCAGTCACAGATGGCAAAATGAACCAACAAATGGCC
AAAATGATGGATCCTAGGGTTCTTCATCACATGGGTGGTATGGCAGGACTTCAGTCAATGATGAGGCAG
TTTCAACAGGGTCTGCTGGCAACATGAAAGGCATGATGGGATTCATAATATGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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|                               |   |
|-------------------------------|---|
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>ACCN:</b>                  | NM_001146282  |
| <b>Insert Size:</b>           | 1368 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | 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.  |
| <b>Components:</b>            | 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>                | <a href="#">NM_001146282.1</a>  |
| <b>RefSeq Size:</b>           | 2206 bp   |
| <b>RefSeq ORF:</b>            | 1368 bp   |
| <b>Locus ID:</b>              | 6729  |
| <b>UniProt ID:</b>            | <a href="#">P61011</a>  |
| <b>Cytogenetics:</b>          | 14q13.2   |
| <b>Protein Pathways:</b>      | Protein export  |
| <b>MW:</b>                    | 50.4 kDa  |
| <b>Gene Summary:</b>          | <p>Binds to the signal sequence of presecretory protein when they emerge from the ribosomes and transfers them to TRAM (translocating chain-associating membrane protein).<br/>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks a portion of the 5' coding region and uses a distinct translational start codon, compared to variant 1. The resulting isoform (2) has a distinct N-terminus and is shorter than isoform 1.</p>   |