

## Product datasheet for **SC321094**

### S100Z (NM\_130772) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** S100Z (NM\_130772) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** S100Z  
**Synonyms:** Gm625; S100-zeta  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_130772.1  
GGAGTCTGGACCACGCAGACTCAGAACAGCACTACTCACAGCAGGGCCTCTTGCTCGCTC  
TAGCTGTGGGAGGAAAACGGCTTGCTAATCTCCACGCCAGAAATTCAGACAAGAGCAT  
TCTCCTTATCTCATCTGCACAGGAAGCAGGTCTAAGTGTAATTTACAAGCCCCTGACTC  
TGTGTAGACACCCAGCTCTCCAGAAAAATGCTTTGAAGACAAAGGATACAGCATACAGTC  
CCGTGTCTCGGCTGAGTCATCGCATTCTTAATAGTGTCTTCTCCCGGGTTTGGTGGCC  
TGCTTCTGGAGTGGTCAGTTCTGCTGCCGACATGCCACCCAGCTCGAGATGGCCATGGA  
CACCATGATTAGAATCTCCACCGCTATTCTGGCAAGGCAAGGAAGAGATTCAAGCTCAG  
CAAGGGGAACTGAACTGCTCCTGCAGCGAGAGCTCACGGAATTCCTCTCGTGCCAAAA  
GGAAACCCAGTTGGTTGATAAGATAGTGCAGGACCTGGATGCCAATAAGGACAACGAAGT  
GGATTTAATGAATTCGTGGTCATGGTGGCAGCTCTGACAGTTGCTTGTAAATGATTACTT  
TGTAGAACAATTGAAGAAGAAAGAAAAATAAGGTAAGTAATAAGCTCATCTAAAGGCAG  
AAATATATCCAAAGTTATGTACTTAATGTTCAATTTATACCTTCAGATCTATAGACCCAG  
TAATGTCATTTATAGCTATAATATCCAGTGCATATATTAATAATTAATTGCTACTATTGA  
ATTATGTGCCCTTAAAAATTGACTTTATGTAATATTCTAAATCTCATATGCCCTACC  
TGAAACTTGCCTGTATTATTAAGAGGCTATATGCATCTTTTTGGTTTGTCAAACGAGGG  
CATTACAAAAATTTAGCTACTTTCAAATGAGACTTGAATTTGGCAAAATTTCTAAGATGGA  
CATTATATCCTTAAATTTGATTTTGAACCTTACCCTATTAATAAAAAATTAACCTGGCA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_130772



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<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>	<u><a href="#">NM_130772.1</a></u> , <u><a href="#">NP_570128.1</a></u>
<b>RefSeq Size:</b>	1049 bp
<b>RefSeq ORF:</b>	300 bp
<b>Locus ID:</b>	170591
<b>UniProt ID:</b>	<u><a href="#">Q8WXG8</a></u>
<b>Cytogenetics:</b>	5q13.3
<b>Gene Summary:</b>	Members of the S100 protein family contain 2 calcium-binding EF-hands and exhibit cell-type specific expression patterns. For additional background information on S100 proteins, see MIM 114085.[supplied by OMIM, Mar 2008]