

Product datasheet for **SC305901**

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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305901 representing NM_130772. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGCCACCCAGCTCGAGATGGCCATGGACACCATGATTAGAATCTTCCACCGCTATTCTGGCAAGGAA
AGGAAGAGATTCAAGCTCAGCAAGGGGAACTGAACTGCTCCTGCAGCGAGAGCTCACGGAATTCCTC
TCGTGCCAAAAGGAAACCCAGTTGGTTGATAAGATAGTGCAGGACCTGGATGCCAATAAGGACAACGAA
GTGGATTTAATGAATTCGTGGTCATGGTGGCAGCTCTGACAGTTGCTTGAATGATTACTTTGTAGAA
CAATTGAAGAAGAAAGGAAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_130772
Insert Size:	300 bp
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.



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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_130772.3</u>
RefSeq Size:	1164 bp
RefSeq ORF:	300 bp
Locus ID:	170591
UniProt ID:	<u>Q8WYG8</u>
Cytogenetics:	5q13.3
MW:	11.6 kDa
Gene Summary:	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]