

Product datasheet for **RG204754**

S100Z (NM_130772) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: S100Z
Synonyms: Gm625; S100-zeta
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204754 representing NM_130772
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCACCCAGCTCGAGATGGCCATGGACACCATGATTAGAATCTCCACCGCTATTCTGGCAAGGCAA
GGAAGAGATTCAAGCTCAGCAAGGGGAACTGAACTGCTCCTGCAGCGAGAGCTCACGGAATTCCTCTC
GTGCCAAAGGAAACCCAGTTGGTTGATAAGATAGTGCAGGACCTGGATGCCAATAAGGACAACGAAGTG
GATTTTAATGAATTCGTGGTCATGGTGGCAGCTCTGACAGTTGCTTGAATGATTACTTTGTAGAACAAT
TGAAGAAGAAAGGAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204754 representing NM_130772
Red=Cloning site Green=Tags(s)

MPTQLEMAMDTMIRIFHRYSGKARKRFKLSKGELKLLQRELTEFLSCQKETQLVDKIVQDLKDANKDNEV
DFNEFVVMVAALTACNDYFVEQLKKKGK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_130772

ORF Size: 297 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

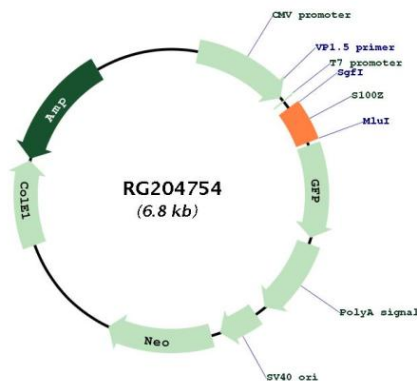
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_130772.2</u>
RefSeq Size:	1049 bp
RefSeq ORF:	300 bp
Locus ID:	170591
UniProt ID:	<u>Q8WXG8</u>
Cytogenetics:	5q13.3
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]

Product images:



Circular map for RG204754