

Product datasheet for **RG239604**

SP140 (NM_001278452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SP140 (NM_001278452) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SP140
Synonyms:	LYSP100; LYSP100-A; LYSP100-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239604 representing NM_001278452.
 Blue=ORF Red=Cloning site Green=Tag(s)

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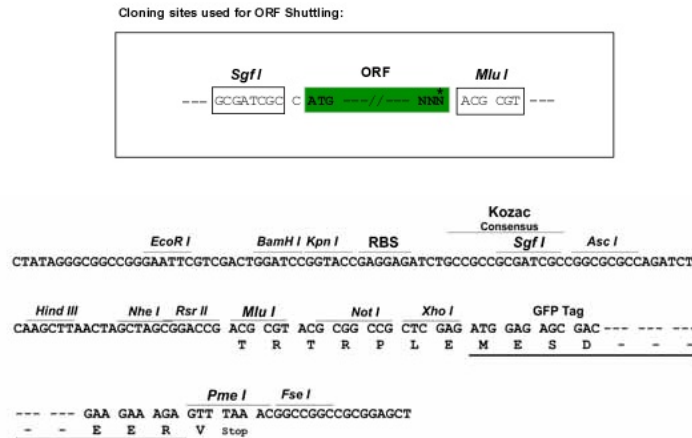
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AACAAAT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239604
Blue=ORF Red=Cloning site Green=Tag(s)

MAQQGQQQMASGDSNLNFRMVAEIQNVEGQNLQEQVCPEPIFRFFRENKVEIASAITRPFPLMGLRD
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FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001278452

ORF Size: 2421 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.

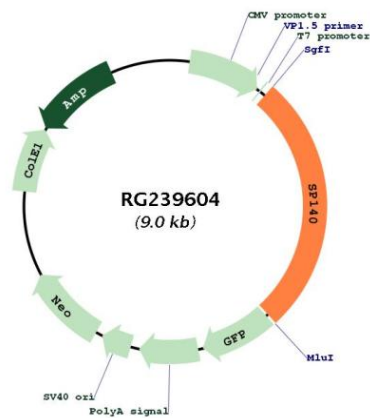
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001278452.2](#)

RefSeq Size: 3090 bp
RefSeq ORF: 2424 bp
Locus ID: 11262
UniProt ID: [Q13342](#)
Cytogenetics: 2q37.1
Protein Families: Druggable Genome, Transcription Factors
MW: 92.1 kDa

Gene Summary: 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]

Product images:



Circular map for RG239604