

Product datasheet for **RG239485**

SP140 (NM_001278453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SP140 (NM_001278453) 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:

>RG239485 representing NM_001278453.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCCCAGCAGGGCCAGCAGGGCAGATGGCAAGTGGAGACAGCAATCTCAACTTCAGGATGGTCGCA
GAGATCCAGAACGTAGAGGGTCAAGACCTGCAGGAGCAGGTTTGCCTGAGCCCATTTTCAGTTCTTC
AGAGAAAACAAGGTGGAGATTGCAAGTGAATAACAAGGCCATTTCTTTCTTATGGGCCCTCCGAGAC
CGCTCCTTCATCTCCGAGCAGATGTATGAACATTTTCAAGAAGCTTTTAGAAACCTGGTCCCAGTGACA
AGAGTGATGTATTGTGTACTCAGTGAACGGAGAAGACATTTGGCTGGTACATCTGGAAGCATTGTTC
AGCAGGATTAACCTGATGGCCTATCCTGATTTAAACGAGATTTACAGAAGCTTCCAGAATGTATGCTAT
GAACACTCACCTCTCAAATGAATAATGTAACGATTTAGAAGATAGACCCAGATTACTACCATATGGT
AAACAAGAGAACAGCAATGCCTGTCATGAAATGGATGATATAGCAGTGCCTCAGGAAGCCTTGAGCTCC
TCGCCAAGGTGTGAGCCAGGTTTCTCTCAGAGTCTTGTGAGCAGTTAGCTCTCCAAAGGCTGGTGGGA
GGAGATGCTGAAGATGCCCCAGCCTACTACCAGTGCCTGTAACCTTGCTATACAAATAGATGAAGGA
GAATCAGAAGAAATGCCCAAGTTACTGCCTTATGATACAGAAGAGACCTTTGATCTAAAAACTCCCAA
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GTGTCTAGTGAAC TAGAAAATCACCCAATGAATGAAGAAGGAGAATCAGAAGAGCTTGCTTCTAGCCTG
CTATATGATAATGTACCAGGAGCGGAGCAATCAGCATATGAAAATGAGAAGTGTCTCTGTGTCATGTGT
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AGAGGCAAACTGGAACCCGCTTCACTCAGAGTGCAGAGCTGCACAGAAAAGAGTCCGATCAAGAGCT
TCAAGAAAGCACAAAGATGAAACTGTGGATTTTAAAGCTCCTTTGCTTCCAGTGACCTGTGGTGGGGTG
AAGGGAATTTTACATAAGAAGAAATTCAGCAAGGAATCTTGGTGAAGTGTATACAGACTGAGGATGGA
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CATGAGGACTGTCACATCCCGCCTGTGGAAGCTGAGAGGACCCCGTGAATTGCATCTTCTGCAGGATG
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CAGAACCACAGGGCCTTACAAGTACAAGGATTTGGCCAAATGGGATTTAGACTGGAGGCTGAGTTT
GAGAAGAATTTCAAGGAAGTGTGCTATTTCAGGAAAACAAATGGGAACAAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239485
 Blue=ORF Red=Cloning site Green=Tag(s)

MAQQGQQQGMASGDSNLNFRMVAEIQNVEGQNLQEVCPEPIFRFFRENKVEIASAITRPFPLMGLRD
 RSFISEQMYEHFQEAFRNLVPVTRVMYCVLSELEKTFGWSHLEALFSRINLMAYPDLNEIYRSFQNVCY
 EHSPLQMNNDLEDRPRLLPYKQKQENSACHEMDDIAPVQALSSSPRCEPGFSSESCEQLALPKAGG
 GDAEDAPSLLPVSCKLAIQIDEGESEEMPCLLPYDTEETFDLKTPQVTNEGEPEKGLCLLPGEEGEESD
 DCSEMCDGEERQEASSLARRGSVSELENHPMNEEGESEELASSLLYDNPVGAEQSAYENEKCSVMC
 FSEEVPGSPEARTESDQACGTMDTVDIANNSTLGPKRKRKRKRGRHGWSRMRMRQENSQNDNSKADG
 QVVSSEKANKVNLKDLKIRGRKRGKPGTRFTQSDRAAQKRVRSRASRKHKDETVDKAPLLPVTGCVV
 KGILHKKKLQQGILVKCIQTEDGKWFPTFEFEIKGGHARSKNWRLSVRCGGWPLRWLMENGFLPDPRI
 RYRKKRILKSNSSVDPCMRNLDECEVCRDGGELFCCDTCRVFHEDCHIPPVEAERTPWNCIFCRM
 KESPGSQCCQESEVLERQMCPEEQKCEFLLLKVYCCSESSFFAKIPYYYYIACQGLKEPMLDKI
 KKRLNEHGYPQVEGFVQDMRLIFQNHRSYKYKDFGQMGFRLEAEFEKNFKEVFAIQETNGNN
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278453

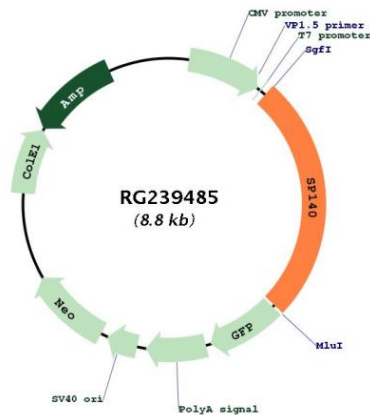
ORF Size: 2259 bp

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_001278453.2
RefSeq Size:	2928 bp
RefSeq ORF:	2262 bp
Locus ID:	11262
UniProt ID:	Q13342
Cytogenetics:	2q37.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	86.5 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 RG239485