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Product datasheet for RG240234

SON (NM_001291411) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SON (NM_001291411) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SON
Synonyms:	BASS1; C21orf50; DBP-5; NREBP; SON3; TOKIMS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG240234 representing NM_001291411.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
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CCTGTGACGACGACAGAGTTGGAGCAGCCTGTGGGGATGACAACGGTGGAACATCCTGGGCATCCTGAG
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Protein Sequence:

>Peptide sequence encoded by RG240234
Blue=ORF Red=Cloning site Green=Tag(s)

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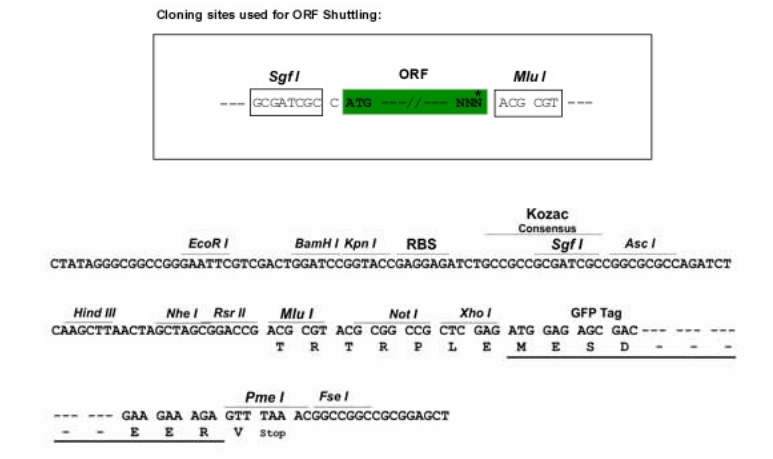
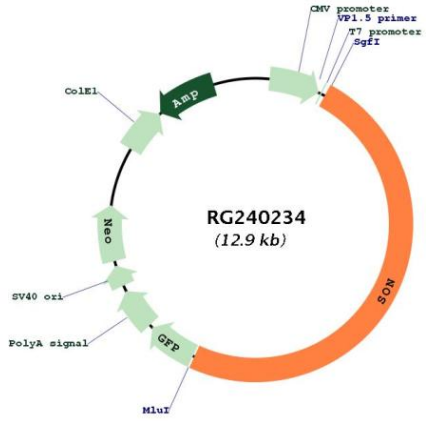
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001291411
ORF Size:	6324 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_001291411.1, NP_001278340.1
RefSeq Size:	7903 bp
RefSeq ORF:	6327 bp
Locus ID:	6651
UniProt ID:	P18583
Cytogenetics:	21q22.11
MW:	228.7 kDa
Gene Summary:	This gene encodes a protein that contains multiple simple repeats. The encoded protein binds RNA and promotes pre-mRNA splicing, particularly of transcripts with poor splice sites. The protein also recognizes a specific DNA sequence found in the human hepatitis B virus (HBV) and represses HBV core promoter activity. There is a pseudogene for this gene on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG240234