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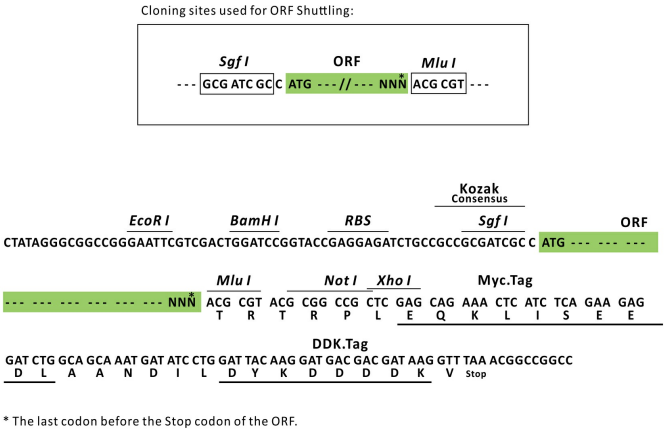
Product datasheet for RC201533L1

S100P (NM_005980) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S100P (NM_005980) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	S100P
Synonyms:	MIG9
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201533).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	



ACCN:	NM_005980
ORF Size:	285 bp

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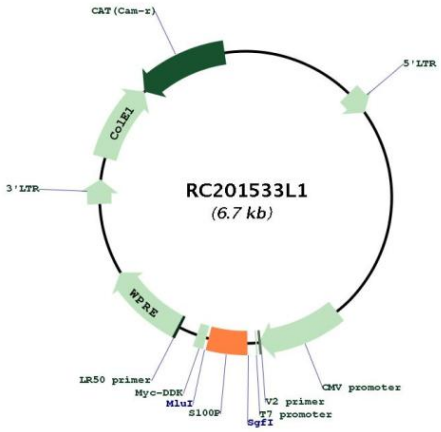
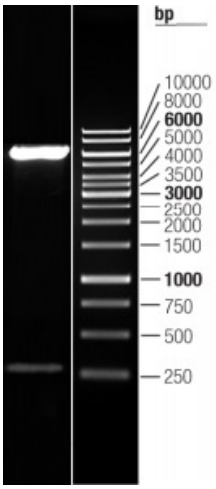
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
RefSeq:	NM_005980.2, NP_005971.1
RefSeq Size:	510 bp
RefSeq ORF:	288 bp
Locus ID:	6286
UniProt ID:	P25815
Cytogenetics:	4p16.1
Domains:	S_100, EFh
MW:	10.4 kDa
Gene Summary:	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 4p16. This protein, in addition to binding Ca2+, also binds Zn2+ and Mg2+. This protein may play a role in the etiology of prostate cancer. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC201533L1



Double digestion of RC201533L1 using SgfI and MluI