

Product datasheet for **RC210939L4V**

SP7 (NM_152860) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | SP7 (NM_152860) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SP7 |
| Synonyms: | OI11; OI12; osterix; OSX |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_152860 |
| ORF Size: | 1293 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC210939). |
| 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. |
| RefSeq: | NM_152860.1 , NP_690599.1 |
| RefSeq Size: | 2995 bp |
| RefSeq ORF: | 1296 bp |
| Locus ID: | 121340 |
| UniProt ID: | Q8TDD2 |
| Cytogenetics: | 12q13.13 |
| Protein Families: | ES Cell Differentiation/IPS, Transcription Factors |
| MW: | 45 kDa |



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Gene Summary:

This gene encodes a member of the Sp subfamily of Sp/XKLF transcription factors. Sp family proteins are sequence-specific DNA-binding proteins characterized by an amino-terminal trans-activation domain and three carboxy-terminal zinc finger motifs. This protein is a bone specific transcription factor and is required for osteoblast differentiation and bone formation. [provided by RefSeq, Jul 2010]