# Product datasheet for RC210160L4V

## CELA1 (NM_001971) Human Tagged ORF Clone Lentiviral Particle

## Product data:

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|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | CELA1 (NM_001971) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | CELA1 |
| **Synonyms:** | ELA1 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001971 |
| **ORF Size:** | 774 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC210160). |
| **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_001971.4 |
| **RefSeq Size:** | 952 bp |
| **RefSeq ORF:** | 777 bp |
| **Locus ID:** | 1990 |
| **UniProt ID:** | Q9UNI1 |
| **Cytogenetics:** | 12q13.13 |
| **Protein Families:** | Druggable Genome, Protease, Secreted Protein |
| **MW:** | 27.6 kDa |

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**Gene Summary:** Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, pancreatic elastase 1 is not expressed in the pancreas. To date, elastase 1 expression has only been detected in skin keratinocytes. Clinical literature that describes human elastase 1 activity in the pancreas or fecal material is actually referring to chymotrypsin-like elastase family, member 3B. [provided by RefSeq, May 2009]