

Product datasheet for **SC304358**

CELA2B (NM_015849) Human Untagged Clone

Product data:

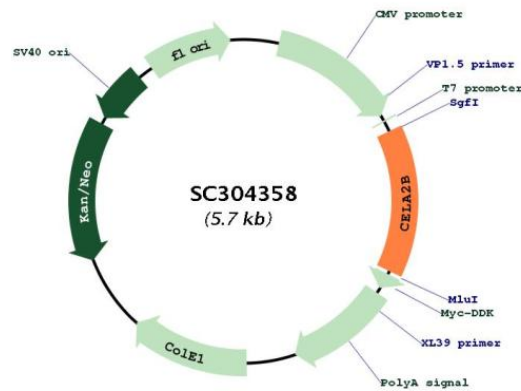
Product Type:	Expression Plasmids
Product Name:	CELA2B (NM_015849) Human Untagged Clone
Tag:	Tag Free
Symbol:	CELA2B
Synonyms:	ELA2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304358 representing NM_015849. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATTAGGACCCTGCTGCTGCCACTTTGGTGGCTGGAGCCCTCAGTTGTGGGGTCTCCACTTACGCG
CCTGATATGTCTAGGATGCTTGGAGGTGAAGAAGCGAGGCCAACAGCTGGCCCTGGCAGGTCTCCCTG
CAGTACAGCTCCAATGGCCAGTGGTACCACACCTGCGGAGGGTCCCTGATAGCCAACAGCTGGGTCTG
ACGGCTGCCACTGCATCAGCTCCTCCGGGATCTACCGCGTGATGCTGGCCAGCATAACCTCTACGTT
GCAGAGTCCGGCTCGCTGGCCGTCAGTGTCTCTAAGATTGTGGTGCACAAGGACTGGAACCCGACCAG
GTCTCCAAGGGAACGACATTGCCCTGCTCAAAGTGGCTAACCCCGTCTCCCTCACGACAAGATCCAG
CTGGCCTGCCTCCCTCCTGCCGGCACCATTCTACCCAACAACACCCCTGCTACGTACGGGCTGGGGA
AGGCTGCAGACCAACGGGGCTCTCCCTGATGACCTGAAGCAGGGCCGGTTGCTGGTTGTGGACTATGCC
ACCTGCTCCAGCTCTGGCTGGTGGGGCAGCACCGTGAAGACGAATATGATCTGTGCTGGGGGTGATGGC
GTGATATGCACCTGCAACGGGAGACTCCGGTGGGCCGCTGAACTGTGAGGCATCTGACGGCCGGTGGGAG
GTGCATGGCATCGGCAGCCTCACGTCCGTCCTTGGTTGCAACTACTACTACAAGCCCTCCATCTTCAGC
CGGGTCTCCAACATAACGACTGGATCAATTCGGTGATTGCAAATAACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_015849

Insert Size: 810 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_015849.2](#)

RefSeq Size: 941 bp

RefSeq ORF:	810 bp
Locus ID:	51032
UniProt ID:	P08218
Cytogenetics:	1p36.21
Protein Families:	Druggable Genome, Secreted Protein
MW:	28.8 kDa
Gene Summary:	<p>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. Like most of the human elastases, elastase 2B is secreted from the pancreas as a zymogen. In other species, elastase 2B has been shown to preferentially cleave proteins after leucine, methionine, and phenylalanine residues. [provided by RefSeq, Jul 2008]</p>