

Product datasheet for **RC202678**

Elastase (CELA3B) (NM_007352) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elastase (CELA3B) (NM_007352) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elastase
Synonyms:	CBPP; ELA3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202678 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGCTCCGGCTGCTCAGTTCCTCCTTGTGGCCGTTGCCTCAGGCTATGGCCACCTTCCTCTC
GCCCTTCAGCCGCTTGTCAATGGTGAGGATGCGGTCCCCTACAGCTGGCCCTGGCAGGTTTCCCTGCA
GTATGAGAAAAGTGAAGCTTCTACCACACGTGTGGCGGTAGCCTCATCGCCCCGACTGGGTTGTGACT
GCCGGCCACTGCATCTCGAGCTCCTGGACCTACCAGGTGGTGTGGGCGAGTACGACCGTGTGTGAAGG
AGGGCCCCGAGCAGGTGATCCCCATCAACTCTGGGGACCTCTTTGTGCATCCACTCTGGAACCGCTCGTG
TGTGGCCTGTGGCAATGACATCGCCCTCATCAAGCTCTCACGCAGCGCCAGCTGGGAGACGCCGTCAG
CTCGCCTCACTCCCTCCCGCTGGTGACATCCTTCCCAACGAGACACCCTGCTACATCACCGGCTGGGGCC
GTCTCTATACCAACGGGCCACTCCCAGACAAGCTGCAGGAGGCCCTGCTGCCCGTGGTGGACTATGAACA
CTGCTCCAGGTGGAAGTGGTGGGGTTCTCCGTGAAGAAGACCATGGTGTGTGCTGGAGGGGACATCCGC
TCCGGCTGCAACGGTACTCTGGAGGACCCCTCAACTGCCCCACAGAGGATGGTGGCTGGCAGGTCCATG
GCGTGACCAGCTTTGTTTCTGCCTTTGGCTGCAACACCCGAGGAAGCCACGGTGTCTACTCGAGTCTC
CGCCTTCATCGACTGGATTGAGGAGACCATAGCAAGCCAC

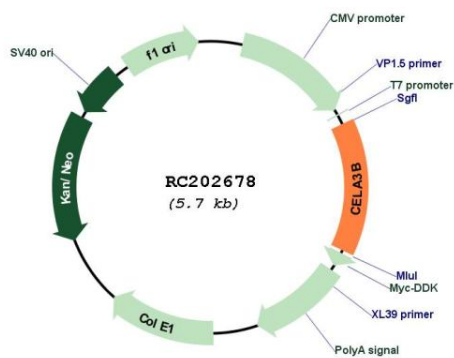
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:	<ol style="list-style-type: none">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_007352.4
RefSeq Size:	1055 bp
RefSeq ORF:	813 bp
Locus ID:	23436
UniProt ID:	P08861
Cytogenetics:	1p36.12
Protein Families:	Druggable Genome, Protease
MW:	29.3 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. Unlike other elastases, elastase 3B has little elastolytic activity. Like most of the human elastases, elastase 3B is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and kallikrein, it has a digestive function in the intestine. Elastase 3B preferentially cleaves proteins after alanine residues. Elastase 3B may also function in the intestinal transport and metabolism of cholesterol. Both elastase 3A and elastase 3B have been referred to as protease E and as elastase 1, and excretion of this protein in fecal material is frequently used as a measure of pancreatic function in clinical assays. [provided by RefSeq, May 2009]</p>

Product images:



Circular map for RC202678