

Product datasheet for **RC222555**

CLACP (COL25A1) (NM_032518) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLACP (COL25A1) (NM_032518) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLACP
Synonyms:	AMY; CFEOM5; CLAC; CLAC-P; CLACP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC222555 representing NM_032518
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCTGAAGAAGCACGCAGGAAAGGAGGGGGCCGGGAGCCAGATCCGAGGACCCGACCCCTGCCG
AACAGCATTGTGCCCGGACCATGCCCCGTGTGCCGTCTGGCGGCCCTCCTGTCAAGTGGTGGCCGTGGT
GTCTTGCTGTACCTGGGTGTGAAAACCAACGACCTCCAGGCGAGGATCGCCGCTCTCGAATCCGCCAAA
GGGGCCCTTCCATTCATCTGCTGCCTGATACCCTGGATCACCTCAAGACTATGGTGCAAGAGAAAGTGG
AGCGACTTCTGGCTCAGAAATCCATGAACATATGGCTAAAATAAGAATCGCAAGAGAAGCACCTTCAGA
ATGTAAGTCCCAGCAGGCCCTCCAGGGAACGAGGTAAGAGAGGCCGAAGAGGAGAATCTGGTCTCTCT
GGACAGCTGGTCTCAGGGCCCTCCTGGTCCAAAAGGCGATAAGGGAGAACAAGGTGATCAGGGACCTA
GGATGGTGTTCCTAAAATCAATCATGGTTCCTCTCTGCTGATCAGCAGCTCATTAAACGCCGCTGAT
TAAGGGTGACCAAGGACAGGCAGGGCCTCCAGGACCCCTGGCCCTCCAGGCCAAAGAGGGCCACCTGGG
GACACAGGGAAAGATGGCCCCCTGGAATGCCAGGAGTACCCGGTGAACCAAGGAAAGCCAGGAGAAACAAG
GCTTGATGGGTCTCTAGGGCCTCCGGGACAAAAGGGTCTATTGGAGCACCTGGAATCCAGGGATGAA
TGGGCAAAAGGGTGGCCCGGGTTCCTGGAGCAGTAGGACAGAAATGGAATACCAGGACCTAAGGGAGAA
CCTGGAGAAACAAGGTGAAAAGGGAGACGCTGGAGAGAACGGCCCAAGGGTGACACAGGCAGGAAAGGGT
ACCCTGGATCATCTGCTGAGGAATTAAGGAGAACCTGGGGAATCTGGTCCAGGGCAAAAGGGTGA
ACCAGGGCTTCTGGCTTCTGGACTTCCGGGATAAAGGGAGAACCAGGTTTCATTGGTCTCAAGGA
GAACCAGGCTTACCAGGTTTACCAGGAACAAAAGGTGAACGGGGGAAGCAGGGCCTCCTGGAAGAGGTG
AGCGAGGGGAACCTGGAGCCCCGACCAAGGGGAAACAAGGTGAATCAGGAAGTACAGGCCCCAAAGGG
GTCAAAGGGGATCGTGGAGAAAAAGGGACTCTGGAGCTCAGGGACCAAGGGGTCCACCTGGTCAAAAA
GGGGATCAAGGAGCCACTGAGATCATAGACTACAACGGCAACCTCCACGAAGCCTTACAGAGGATTACCA
CCTTAAGTGTACGGGTCCCCTGGACCTCCTGGACCTCAAGGACTACAAGGGCCAAAGGGAGAGCAGGG
ATCTCCAGGAATCCCAGGAATGGATGGAGAGCAGGGACTCAAAGGCTCAAAGGGAGACATGGGGACCCA
GGTATGACAGGTGAAAAGGAGGAATTGGACTTCTGGATTACCGGGAGCCAATGGAATGAAAGGAGAAA
AAGGAGATTCTGGAATGCCGGTCCACAGGTCTTCTATCATAGGCCACCAGGCCACCAGGTCCCCA
TGGCCACCTGGCCCATGGGACCTCATGGACTCCTGGACCAAGGGTACAGATGGTCTATGGGACCC
CATGGCCCTGCAGTCCCAAAGGAGAAAGAGGTGAAAAGGAGCTATGGGAGAGCCTGGACCAAGAGGGC
CCTATGGCTGCCTGGGAAAGATGGAGAGCCTGGTCTTGATGGCTTCCCTGGTCCACGGGTGAGAAGGG
TGATCTAGGAGAAAAGGGAGAAAAGGTGACCTCTCCATCCAGCATGTACCTGTTTGATTCTTCTCCTG
CTGTCTGCTTTGCTGTTGAGCTTGTGTGATTCCATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_032518.3](#)

RefSeq Size: 2681 bp

RefSeq ORF: 1929 bp

Locus ID: 84570

UniProt ID: [Q9BXS0](#)

Cytogenetics: 4q25

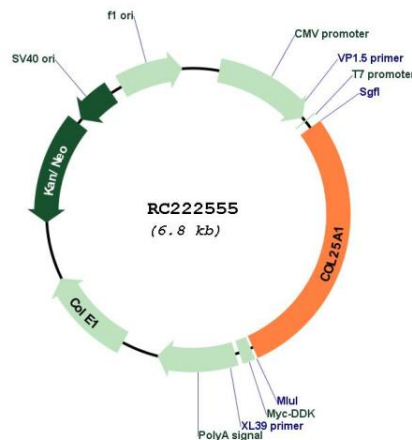
Domains: Collagen

Protein Families: Transmembrane

MW: 63.5 kDa

Gene Summary: This gene encodes a brain-specific membrane associated collagen. A product of proteolytic processing of the encoded protein, CLAC (collagenous Alzheimer amyloid plaque component), binds to amyloid beta-peptides found in Alzheimer amyloid plaques but CLAC inhibits rather than facilitates amyloid fibril elongation (PMID: 16300410). A study of over-expression of this collagen in mice, however, found changes in pathology and behavior suggesting that the encoded protein may promote amyloid plaque formation (PMID: 19548013). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RC222555