

Product datasheet for **SC324228**

Chymotrypsin like protease (CTRL) (NM_001907) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chymotrypsin like protease (CTRL) (NM_001907) Human Untagged Clone
Tag: Tag Free
Symbol: Chymotrypsin like protease
Synonyms: CTRL1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001907.1
GATGTTGCTGCTCAGCCTGACCCTAAGCCTGGTTCTCCTCGGCTCCTCTGGGGTGC GG
CATTTCCTGCCATCAAACCGGCACTGAGCTTCAGCCAGAGGATTGTCAACGGGGAGAATGC
AGTGTTGGGCTCCTGGCCCTGGCAGGTGTCCCTGCAGGACAGCAGCGGCTTCCACTTCTG
CGGTGGTTCTCTCATCAGCCAGTCTGGGTGGTCACTGCTGCCACTGCAATGTCAGCCC
TGGCCGCCATTTTGTGCTGGGCGAGTATGACCGATCATCAAACGCAGAGCCCTTGCA
GGTTCTGTCCGTCTCTGGGCCATTACACACCCTAGCTGGAAGTCTACCACCATGAACAA
TGACGTGACGCTGCTGAAGCTCGCCTCGCCAGCCAGTACACAACACGCATCTCGCCAGT
TTGCCTGGCATCCTCAAACGAGGCTCTGACTGAAGGCCTCACGTGTGTACCACCGGCTG
GGGTCGCCTCAGTGGCGTGGGCAATGTGACACCAGCACATCTGCAGCAGGTGGCTTTGCC
CCTGGTCACTGTGAATCAGTGCCGGCAGTACTGGGGCTCAAGTATCACTGACTCCATGAT
CTGTGCAGGTGGCGCAGGTGCCTCCTCGTGCCAGGGTACTCCGGAGGCCCTCTTGTCTG
CCAGAAGGGAAACACATGGGTGCTTATTGGTATTGTCTCCTGGGGCACAAAAACTGCAA
TGTGCGCGCACCTGCTGTGTATACTCGAGTTAGCAAGTTCAGCACCTGGATCAACCAGGT
CATAGCCTACAAGTGAAGTCAACACAGGCCCTCCCCAGCTCAACCCATTAAGACCCAGG
CCCTGTCCCATCATGAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAG

Restriction Sites: ECoRI-NOT

ACCN: NM_001907

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).



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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:	<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:	<u>NM_001907.1</u> , <u>NP_001898.1</u>
RefSeq Size:	1184 bp
RefSeq ORF:	795 bp
Locus ID:	1506
UniProt ID:	<u>P40313</u>
Cytogenetics:	16q22.1
Protein Families:	Druggable Genome, Protease
Gene Summary:	This gene encodes a serine-type endopeptidase with chymotrypsin- and elastase-2-like activities. The gene encoding this zymogen is expressed specifically in the pancreas and likely functions as a digestive enzyme. [provided by RefSeq, Sep 2016]