

## Product datasheet for **SC125601**

### Chymotrypsin (CTRC) (NM\_007272) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chymotrypsin (CTRC) (NM_007272) Human Untagged Clone
Tag:	Tag Free
Symbol:	Chymotrypsin
Synonyms:	CLCR; ELA4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125601 sequence for NM_007272 edited (data generated by NextGen Sequencing)

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ATGTTGGGCATCACTGTCCTCGCTGCGCTCTTGGCCTGTGCCTCCAGCTGTGGGGTGCCC
AGCTTCCCGCCCAACCTATCCGCCCCGAGTGGTGGGAGGAGAGGATGCCCGGCCACAGC
TGGCCCTGGCAGATCTCCTCCAGTACCTCAAGAACGACACGTGGAGGCATACGTGTGGC
GGGACTTTGATTGCTAGCAACTTCGTCCTCACTGCCGCCACTGCATCAGCAACACCCGG
ACCTACCGTGTGGCCGTGGGAAAGAACAACCTGGAGGTGGAAGACGAAGAAGGATCCCTG
TTTGTGGGTGTGGACACCATCCACGTCCACAAGAGATGGAATGCCCTCCTGTTGCGCAAT
GATATTGCCCTCATCAAGCTTGCAAGCATGTGGAGCTGAGTGACACCATCCAGGTGGCC
TGCCTGCCAGAGAAGGACTCCCTGCTCCCCAAGGACTACCCCTGCTATGTCACCGGCTGG
GGCCGCCTCTGGACCAACGGCCCCATTGCTGATAAGCTGCAGCAGGGCCTGCAGCCCGTG
GTGGATCACGCCACGTGCTCCAGGATTGACTGGTGGGGCTTCAGGGTGAAGAAAACCATG
GTGTGCGCTGGGGCGATGGCGTCATCTCAGCCTGCAATGGGGACTCCGGTGGCCCACTG
AACTGCCAGTTGGAGAACGGTTCCTGGGAGGTGTTTGGCATCGTCAGCTTTGGCTCCCGG
CGGGGTGCAACACCCGCAAGAAGCCGGTAGTCTACACCCGGGTGTCGCCTACATCGAC
TGGATCAACGAGAAAATGCAGCTGTGA

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Clone variation with respect to NM\_007272.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_007272 unedited NCCCGTCANAATTTGTATACGACTCACTATAGGCGGACCGCGATTTCGGCCATTACGGCCG GGGGTCAGCCAGTCTGAGCACCTAACCATGTTGGGCATCACTGTCTCGCTGCGCTCTT GGCCTGTGCTCCAGCTGTGGGGTGCCAGCTTCCCGCCCAACCTATCCGCCCGAGTGGT GGGAGGAGAGGATGCCCGGCCCCACAGCTGGCCCTGGCAGATCTCCCTCCAGTACCTCAA GAACGACACGTGGAGGCATACGTGTGGCGGGACTTTGATTGCTAGCAACTTCGTCCTCAC TGCCGCCACTGCATCAGCAACACCCGGACCTACCGTGTGGCCGTGGGAAAGAACAACCT GGAGGTGGAAGACGAAGAAGGATCCCTGTTTGTGGGTGTGGACACCATCCACGTCCACAA GAGATGGAATGCCCTCCTGTTGCGCAATGATATTGCCCTCATCAAGCTTGCAGAGCATGT GGAGCTGAGTGACACCATCCAGGTGGCCTGCCTGCCAGAGAAGGACTCCCTGCTCCCAA GGACTACCCCTGCTATGTACCGGCTGGGGCCGCTCTGGACCAACGGCCCCATTGCTGA TAAGCTGCAGCAGGGCTGCAGCCCGTGGTGGATCACGCCACGTGCTCCAGGATTGACTG GTGGGGCTTCAGGGTGAAGAAAACCATGGTGTGCGCTGGGGGCGATGGCGTCATCTCAGC CTGCAATGGGGACTCCGGTGGCCCACTGAACTGCCAGTTGGAGAACGGTTCCTGGGGAGT GTTTGGCATCNTCAGCTTTGGCTCCCGGGGGGCTGNACACCCGCAAGGAGCCGGTAGT CTAAACCCGGGTGCCCTACATCGACTGGATCAACGAGAAAATGCAGCTGTGATTGT GC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_007272
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_007272.2</a> , <a href="#">NP_009203.2</a>
<b>RefSeq Size:</b>	917 bp
<b>RefSeq ORF:</b>	807 bp
<b>Locus ID:</b>	11330
<b>UniProt ID:</b>	<a href="#">Q99895</a>
<b>Cytogenetics:</b>	1p36.21
<b>Protein Families:</b>	Druggable Genome, Protease

**Gene Summary:**

This gene encodes a member of the peptidase S1 family. The encoded protein is a serum calcium-decreasing factor that has chymotrypsin-like protease activity. Alternatively spliced transcript variants have been observed, but their full-length nature has not been determined. [provided by RefSeq, Jul 2008]