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Product datasheet for RC209072

Chymotrypsin like protease (CTRL) (NM_001907) Human Tagged ORF Clone

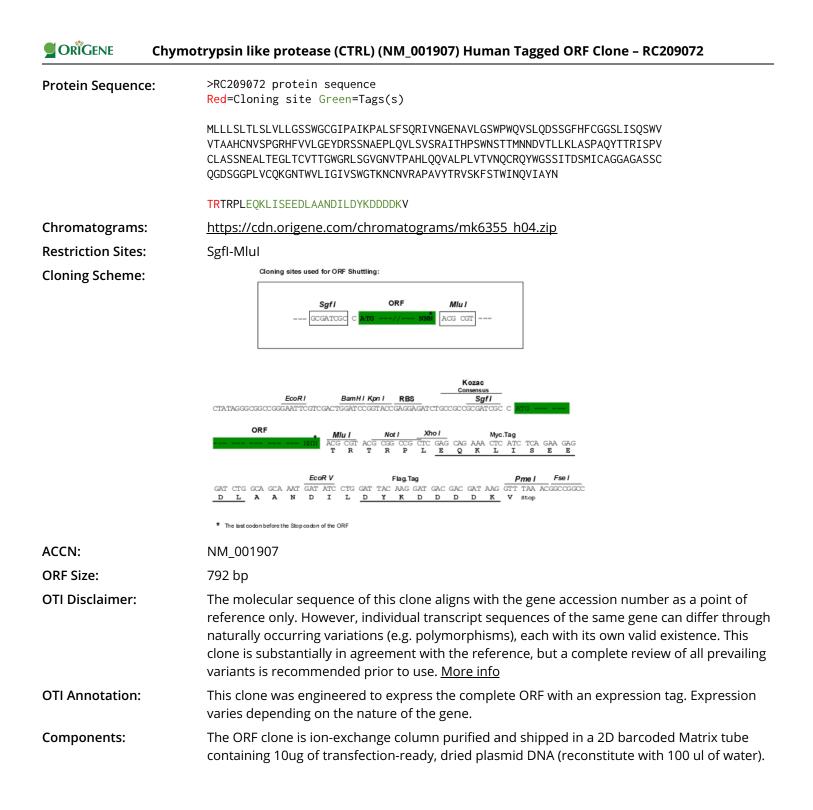
Product data:

Product Type:	Expression Plasmids
Product Name:	Chymotrypsin like protease (CTRL) (NM_001907) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chymotrypsin like protease
Synonyms:	CTRL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC209072 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



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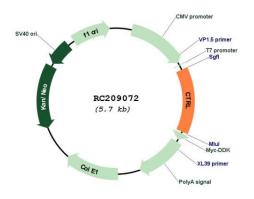


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Chymotrypsin like protease (CTRL) (NM_001907) Human Tagged ORF Clone – RC209072

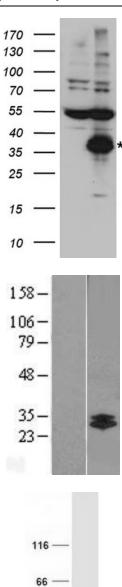
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 001907.3</u>
RefSeq Size:	1197 bp
RefSeq ORF:	795 bp
Locus ID:	1506
UniProt ID:	<u>P40313</u>
Cytogenetics:	16q22.1
Protein Families:	Druggable Genome, Protease
MW:	28 kDa
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]

Product images:



Circular map for RC209072

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25 18 HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CTRL (Cat# RC209072, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CTRL antibody (Cat# [TA890107]). Positive lysates [LY419665] (100ug) and [LC419665] (20ug) can be purchased separately from OriGene.

Western blot validation of overexpression lysate (Cat# [LY419665]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209072 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified CTRL protein (Cat# [TP309072]). The protein was produced from HEK293T cells transfected with CTRL cDNA clone (Cat# RC209072) using MegaTran 2.0 (Cat# [TT210002]).

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