

OriGene Technologies, Inc.

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Product datasheet for RC204881

Cathepsin G (CTSG) (NM_001911) Human Tagged ORF Clone

Product data:

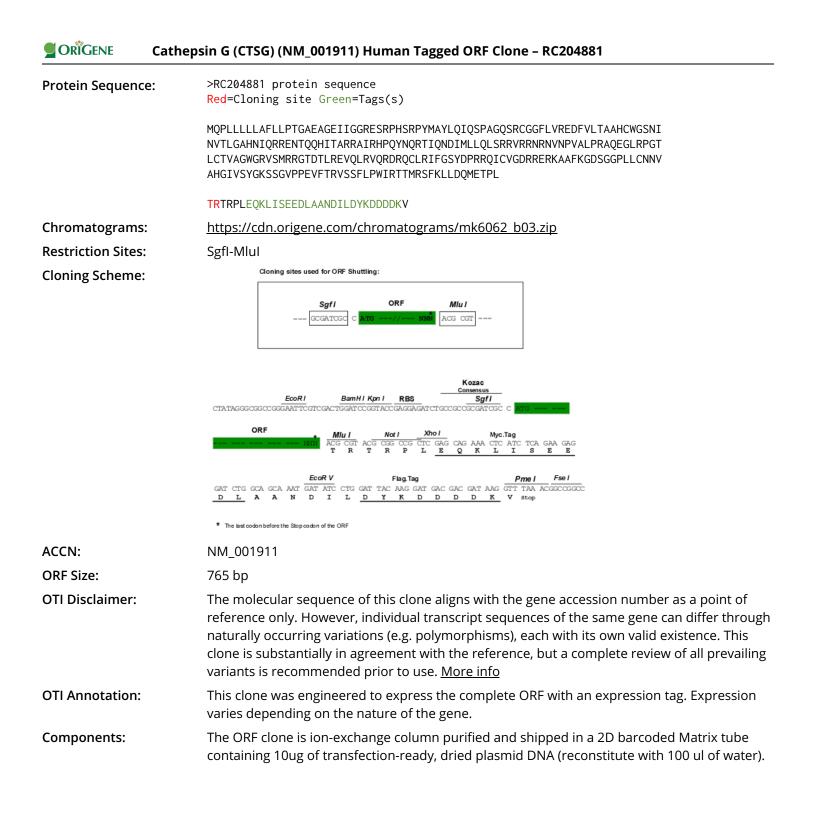
Product Type:	Expression Plasmids
Product Name:	Cathepsin G (CTSG) (NM_001911) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cathepsin G
Synonyms:	CATG; CG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC204881 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA**



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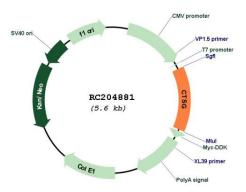
Cathepsin G (CTSG) (NM_001911) Human Tagged ORF Clone – RC204881

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 001911.3</u>
RefSeq Size:	924 bp
RefSeq ORF:	768 bp
Locus ID:	1511
UniProt ID:	<u>P08311</u>
Cytogenetics:	14q12
Domains:	Tryp_SPc
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Lysosome, Neuroactive ligand-receptor interaction, Renin-angiotensin system, Systemic lupus erythematosus
MW:	28.8 kDa
Gene Summary:	The protein encoded by this gene, a member of the peptidase S1 protein family, is found in azurophil granules of neutrophilic polymorphonuclear leukocytes. The encoded protease has a specificity similar to that of chymotrypsin C, and may participate in the killing and digestion of engulfed pathogens, and in connective tissue remodeling at sites of inflammation. In addition, the encoded protein is antimicrobial, with bacteriocidal activity against S. aureus and N. gonorrhoeae. Transcript variants utilizing alternative polyadenylation signals exist for this gene. [provided by RefSeq, Sep 2014]

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Product images:



Circular map for RC204881

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