

## Product datasheet for **RC200183**

### HTRA2 (NM\_013247) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HTRA2 (NM_013247) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HTRA2
Synonyms:	MGCA8; OMI; PARK13; PRSS25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC200183 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGCGCCGAGGGCGGGCGGGGTGCAGGCTGGAGCCTTCGGGCATGGCGGGCTTTGGGGGCATTC  
 GCTGGGGGAGGAGACCCGTTTGACCCCTGACCTCCGGGCCCTGCTGACGTGAGGAACTTCTGACCCCG  
 GGCCCGAGTGACTTATGGGACCCCACTCTCTGGGCCCGTTGTCTGTTGGGGTCACTGAACCCCGAGCA  
 TGCTGACGTCTGGGACCCCGGTCCCCGGGCACAACACTGACTGCGGTGACCCAGATACCAGGACCCGGG  
 AGGCCTCAGAGAAGCTCTGGAACCCGTTTCGCGCGCTGGCTGGCGGTGGCCTGGGCGCTGGGGGGCAGT  
 GCTGTTGTTGTTGGGGCGGGGTTCGGGGTCTCCGGCCGTCCTCGCCCGCTCCCTAGCCCGCCGCC  
 GCTTCTCCCGGAGTCAGTACAACCTTCATCGCAGATGTGGTGGAGAAGACAGCACCTGCCGTGGTCTATA  
 TCGAGATCCTGGACCCGACCCCTTCTGGGCCGCGAGGTCCTATCTCGAACGGCTCAGGATTCGTGGT  
 GGCTGCCGATGGGCTCATTGTACCAACGCCCATGTGGTGGCTGATCGGCGCAGAGTCCGTGTGAGACTG  
 CTAAGCGGCGACAGTATGAGGCCGTGGTACAGCTGTGGATCCCGTGGCAGACATCGCAACGCTGAGGA  
 TTCAGACTAAGGAGCCTCTCCCCACGCTGCCTCTGGGACGCTCAGCTGATGTCCGGCAAGGGGAGTTTGT  
 TGTGGCATGGGAAGTCCCTTTGCACTGCAAGAACGATCACATCCGGCATTGTTAGCTCTGCTCAGCGT  
 CCAGCCAGAGACCTGGGACTCCCCAAACCAATGTGGAATACATTCAAACTGATGCGACTATTGATTTTG  
 GAAACTCTGGAGTCCCCTGGTTAACCTGGATGGGGAGGTGATTGGAGTGAACACCATGAAGTCCACAGC  
 TGGAACTCCTTTGCCATCCCTTCTGATCGTCTTCGAGAGTTTCTGCATCGTGGGAAAAGAAGAATTCC  
 TCCTCCGGAATCAGTGGTCCCAGCGGCTACATTGGGGTATGATGCTGACCTGAGTCCCAGCATCC  
 TTGCTGAACTACAGCTTCGAGAACCAAGCTTCCCGATGTTCCAGCATGGTGTACTCATCCATAAAGTCAT  
 CCTGGGCTCCCCTGCACACCCGGGCTGGTCTCGCGCCTGGTATGTGATTTTGGCCATTGGGGAGCAGATG  
 GTACAAAATGCTGAAGATGTTTATGAAGCTGTTGCAACCAATCCAGTGGCAGTGCAGATCCGGCGGG  
 GACGAGAAACACTGACCTTATATGTGACCCCTGAGGTCACAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC200183 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAPRAGRAGWSLRAWRALGGIRWRRPRLTPDLRALLTSGETSDPRARVYGTPLSWARLSVGVTEPRA  
 CLTSGTGPRAQLTAVTPDTRTREASNSGTRSRRAWLAVALGAGGAVLLLLWGGGRGPPAVLAAVPSPPP  
 ASPRSQYNFIAADVVEKTAPAVVYIEILDRHPFLGREVPISNGSGFVVAADGLIVTNAHVVADRRRVRVRL  
 LSGDTYEAVVTAVDPAVADIATLRIQTKEPLPTLPLGRSADVRQGEFVVMGSPFALQNTITSGIVSSAQR  
 PARDLGLPQTNVEYIQTDAIDFNGSGPLVNLGDEVIGVNTMKVTAGISFAIPSDRLREFLHRGEKKNS  
 SSGISGSQRRYIGVMMLTSPSILAEQLREPSFPDVQHGVLIHKVILGSPAHRAGLRPGDVILAIQEQM  
 VQNAEDVYEAVRTQSQLAVQIRRGRETLLYVTPPEVTE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6198\\_c08.zip](https://cdn.origene.com/chromatograms/mk6198_c08.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_013247

**ORF Size:** 1374 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**
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\\_013247.5](#)

**RefSeq Size:** 2550 bp

**RefSeq ORF:** 1377 bp

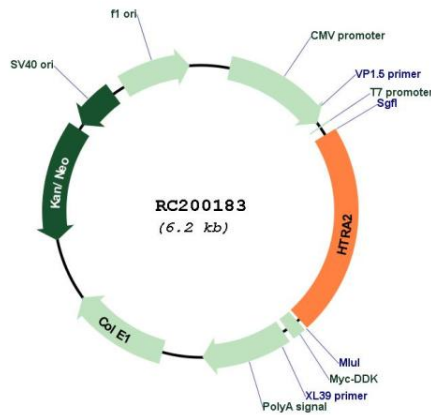
**Locus ID:** 27429

**UniProt ID:** [O43464](#)

**Cytogenetics:** 2p13.1

<b>Domains:</b>	Tryp_SPc, PDZ
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>Protein Pathways:</b>	Parkinson's disease
<b>MW:</b>	48.8 kDa
<b>Gene Summary:</b>	This gene encodes a serine protease. The protein has been localized in the endoplasmic reticulum and interacts with an alternatively spliced form of mitogen-activated protein kinase 14. The protein has also been localized to the mitochondria with release to the cytosol following apoptotic stimulus. The protein is thought to induce apoptosis by binding the apoptosis inhibitory protein baculoviral IAP repeat-containing 4. Nuclear localization of this protein has also been observed. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]

**Product images:**



Circular map for RC200183