

Product datasheet for **RR200483**

Ret (NM_012643) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ret (NM_012643) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ret
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR200483 representing NM_012643
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGC**C

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 TATCTCTATGGGGTCTACCGCACGCGTCTGCATGAGAATGACTGGATCCACATCGATTCCGGGCACCTGGCC
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Protein Sequence:

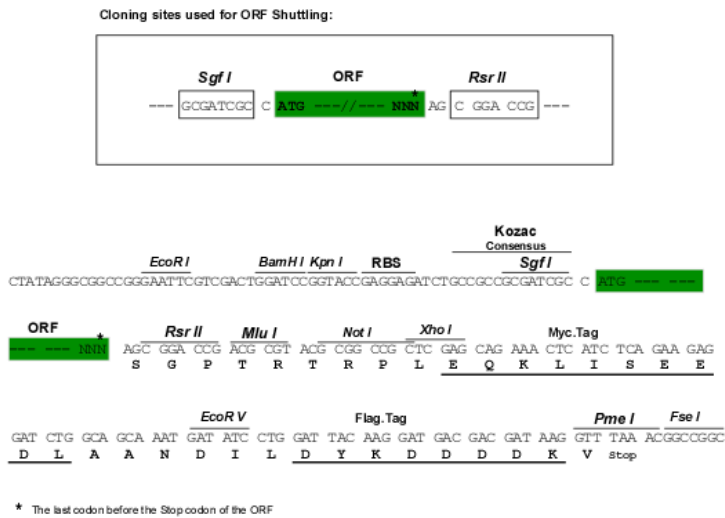
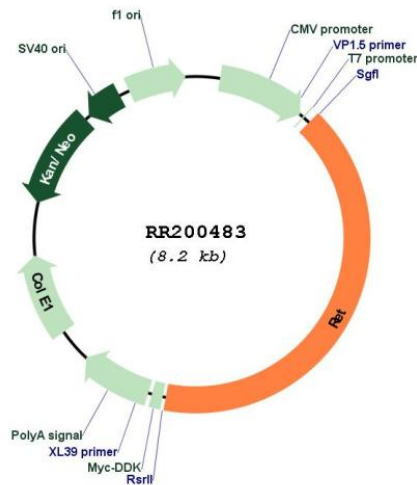
>RR200483 representing NM_012643
 Red=Cloning site Green=Tags(s)

MAKARSGAAGLGLKLFLLPLLGEAPLGLYFSRDAYWERLYVDQAPAGTPLLIVHALRDAPGEVPSFRLGQ
 YLYGVYRTRLHENDWIHIDSGTGLLYLNQSLDHSSWEQLSIRNGGFPLLTVFLQVFLGSTAQREGECHWP
 GEARVYVFSINDTFPNCSSFKARDLCTPETGVSFRIENRPPGTFYQFRMLPVQFLCPNISVKYKLLLEGD
 GLPFRCDPDCLEVSTRWALDRELQEKYVLEAECAVAGPGANKEKVAVSFPVTVYDEDDSPPTFSGGVGT
 SAVVEFKRKEGTVVATLQVFDADVVPASGELVRRYTSTLLSGDSWAQQTFRVEHTPNETLVQSNNSVRA
 TMHNYKLVNRSLSISESRVLQVVLVNSDFQPGSGVLFHFNVSVLPVTLNLPMAVSPVNRARRY
 AQIGKVCVENCQEFSGVSIQYKLPSSSTNCSALGVVTSTEDTSGTLYVNDTEALRRPECTELQYTVVATD
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 RDLLSEFNLLKQVNHPHVIKLYGACSQDGPLLLIVEYAKYGSRLRGFLRDSRKIGPAYVSSGSRNSSSLD
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 KGRIPVKWMAIESLFDHIYTTQSDVWSFGVLLWEIVTLGGNPYPGIPPERLFNLLKTGHRMERPDNCSEE
 MYRLMLQCWKQEPDKRPVFADISKDLEKMMVKSRYLDLAASTPSDSLLEYDDGLSEETPLVDCNSAPLP
 RSLPSTWIENKLYGMSDPNWPGEVSPVPLTRADGTSTGFPRYANDSVYANWVSPSAAKLMDTFDS

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:

Plasmid Map:


ACCN: NM_012643

ORF Size: 3345 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:	<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_012643.2</u> , <u>NP_036775.2</u>
RefSeq Size:	5478 bp
RefSeq ORF:	3348 bp
Locus ID:	24716
UniProt ID:	<u>G3V9H8</u>
Cytogenetics:	4q42
MW:	124.2 kDa
Gene Summary:	may play a role in excretory system and enteric nervous system development; human homolog is associated with Hirschsprung disease and Multiple Endocrine Neoplasia type 2 [RGD, Feb 2006]