

Product datasheet for **RR214010**

Ttc25 (NM_001107049) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc25 (NM_001107049) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc25
Synonyms:	RGD1311859
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR214010 representing NM_001107049
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGACCATGTCCGATGGCGAAGCTGATAACTTGCGAAGCACCTTCCCTCTTACATGGCAGAGGGCGAGA
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 CTCCACCAACCAACCCTAGATGATATCAGCAAAACAGGAGAAGCCATCAGAAACAGCCATGGAGGAG
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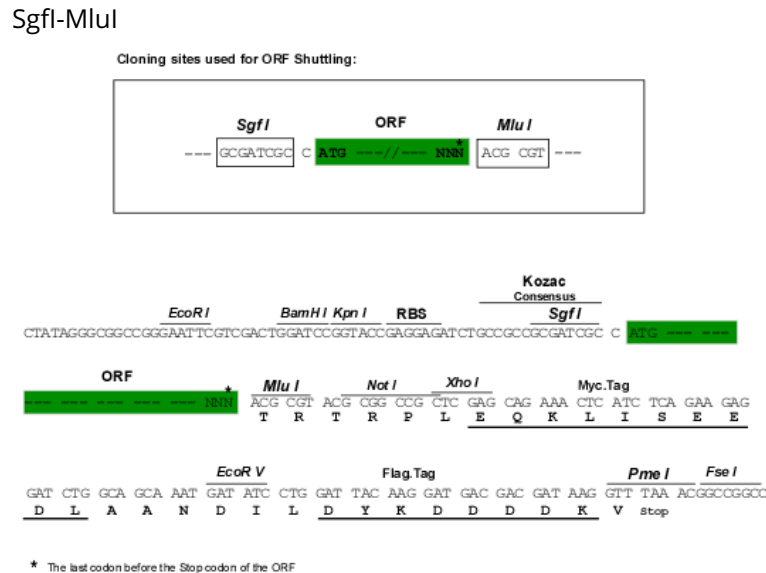
Protein Sequence: >RR214010 representing NM_001107049
 Red=Cloning site Green=Tags(s)

MTMSDGEADNLRSTFPSYMAEGERLYLCGEFSKAIQSFSNALHLQSGDNCLVARSKCYLKMGDLEKSLE
 DAEASLQNDPTFCCKGILQKAETLYTMGDFEFALVFYHRGYKLRPDREKVGIQKAEAINNSVGSPSSIK
 LENKGDLSFLSKQAESKKAQQKHPPVKHLLSSTKHEIKRKGSLKSEKTIKQLLGELYVDKEYLEKLLDE
 DLIKGTIKSGLTVEELIMTGINYLDTRSNFWRQKPIYARERDRKLMQEKWLRDRKRSPSQTAYHILKSL
 EDIDMLLTSGSAEGLQKAQKVLKVLKLEWQDEVPNKDELVGNLYSCIGNAQIELGQMVAALQSHRKDLE
 IAKEHDLPAKSRALDNIGRVFARVGFQQAIDTWEKIPAKTTLEKTWLFHEIGRCYLELDQAWQAQS
 YGEKSQQYAEEDGLEWQLNASVLVAQAQVKLRDFESAVNNFEKALERAKLVHNNEAQQAIISALDDANK
 GIIEELKKTNYREILREKAERQDISSQMEFSGASEKETRRGREQERVVKQWERELESERATEDEEGSK
 QRLLRVEEQDGSSSGLTSSKMMGLDTPSTSQMMRRESREIYRRISEDSTQPTLDDISQNEKPSSETAMEE
 RLEKTEEDSKSETI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Cloning Scheme:



ACCN: NM_001107049

ORF Size: 1935 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_001107049.1, NP_001100519.1

RefSeq Size: 2215 bp

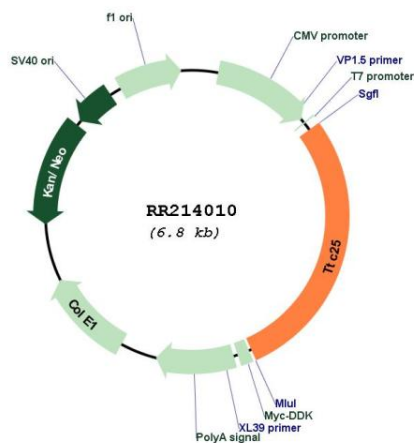
RefSeq ORF: 1938 bp

Locus ID: 303534

Cytogenetics: 10q31

MW: 74 kDa

Product images:



Circular map for RR214010