

Product datasheet for **MR204948**

Cts6 (NM_021445) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cts6 (NM_021445) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cts6
Synonyms:	1600022N02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204948 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGTCCTACTTTATTTTGGCCATCCTGTGTTGGGAGTGGGCTCAGGTGCCCTAGCACTTGATCCCA
ATTTGAATGCTGAATGGCATGATTGGAAGAAACAGTATGAAAAATCATACACCATGGAGGAAGAAGGACT
GAGGAGAGCAATATGGGAAGAAAACATGAGAATGATCAAATGCACAACCTGGGAGAATAGCCTGGGGAAG
AATAACTTCACCTTGAAAATGAATGAATTTGGTGACCTGACTCCTGAAGAACTCAGAAAAATGATGAACA
ATTTTCCAATCTGGAGTCACAAGAAGAGAAAAATCATCAGGAAGCGCGCAGTTGGTGATGTTCTACCCAA
ATTTGTGGACTGGAGAAAGAAAGGCTATGTGACTCGAGTACGGAGACAGAAATTTGTAATTCCTGTTGG
GCTTTTGCTGTGAATGGTGCCATAGAAGGACAGATGTTCAAAAAAAGTGGCAAACTCACCCCTCTGAGTG
TTCAGAACCTAGTGGACTGTACTAAAATCAAGGAAATGATGGCTGCCAATGGGGTGATCCATACATTGC
CTATGAATATGTTTTGAATAATGGAGGTCTGGAGGCTGAGGCAACCTATCCATATGAAGGAAAAGAAGGA
CCATGCAGGTACAATCCAAGAATTCTAAGGCTGAAATCACAGGATTTGTGTCCCTCCAGAAAGCGAAG
ATATTCTAATGGAAGCTGTAGCAACTATTGGGCCCATCTCTGTCAGTGGATGCTTCCTTTAACAGATT
CAGTTTCTACGATGGAGGTATTTATCATCAGCCAAATTCAGCAATAATACTGTGAATCATGCAGTTCTG
GTGGTTGGCTATGGAAGTGAAGGAAATGAAACAGATGGCAATAAGTACTGGCTAATCAAGAACAGCTGGG
GTAGAAGATGGGCAATTGGAGGCTACATGAAGATTATCAGAGACCAGAACCACTGTGGCATTGCTAC
ATATGCACATTATCCATTGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR204948 protein sequence
Red=Cloning site Green=Tags(s)

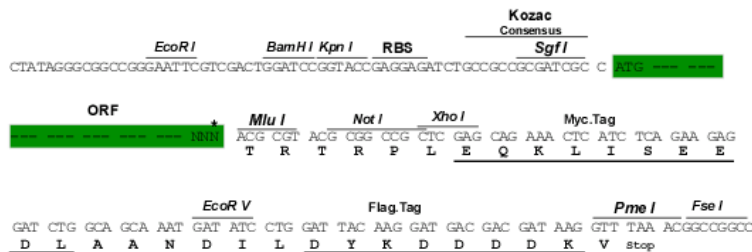
MSPTLFLAILCLGVGSGALALDPNLNAEWHDWKKQYKESYTMEEGLRRAIWEENMRMIKLNWENSLGK
NNFTLKMNEFGDLTPEELRKMMNNFPIWSHKRKRIIRKRAVGDLVPKFVDWRKKGYVTRVRRQKFCNSCW
AFAVNGAIEGQMFKKTGKLTPLSVQNLVDCTKTQNDGCQWGPYIAYEYVLNNGGLEAEATYPYEGKEG
PCRYNPKNSKAEITGFVSLPESEDILMEAVATIGPISAAVDASFNRFSFYDGGIYHQPNCNNNTVNHAVL
VVGYGTEGNETDGNKYWLKNSWGRRWGIGGYMKIIRDQNNHCGIATYAHYPIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_021445

ORF Size: 1002 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_021445.1, NP_067420.1

RefSeq Size: 1323 bp

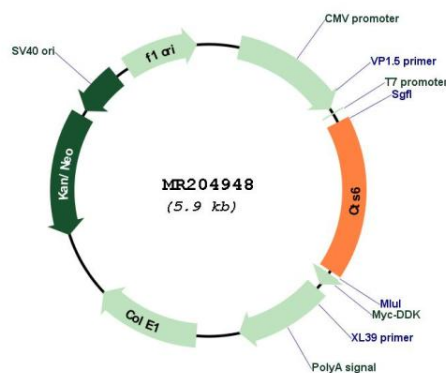
RefSeq ORF: 1005 bp

Locus ID: 58518

Cytogenetics: 13 32.67 cM

MW: 38 kDa

Product images:



Circular map for MR204948