

Product datasheet for **RR200408**

Ubtf (NM_001127690) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubtf (NM_001127690) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubtf
Synonyms:	Tcfubf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200408 representing NM_001127690
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGGAGAAGCCGACTGTCCCACAGACCTGGAATGGCCGCCCCAAAGGCCAAGACCCTGGTCCC
 AGGAAGATATGCTAACTTTGCTGGAATGCATGAAGAACAACCTTCCATCCAATGACAGCTCCAAGTTCAA
 GACCACAGAGTCGCATATGGACTGGGAAAAAGTCGCATTTAAGGATTTTTTCAGGAGATATGTGCAAGCTC
 AAATGGGTGGAGATTTCTAACGAGGTAAGGAAGTCCGTAATTTGACAGAATTGATCCTTGATGCTCAGG
 AACATGTTAAAAACCTTACAAAGGCCAAAACTCAAGAAACACCCGGATTTTCAAAGAAACCTCTCAC
 CCCCTACTCCGTTCTTCATGGAGAAGCGGGCAAGTACGCGAACTCCACCCTGAGATGAGCAACCTG
 GACTTGACTAAGATCCTGTCTAAGAAATACAAGGAGCTTCCAGAGAAGAAGAAGATGAAATATATTCAGG
 ACTTCCAGAGGGAGAAACAGGAGTTCGAGCGAAACCTGGCCCGATTTCAGGGAGGATCACCTGACCTTAT
 CCAGAATGCCAAGAAGTCGGACATCCCCGAGAAGCCAAAACCTCCAGCAACTGTGGTACACCCATGAG
 AAGAAGGTGTATCTCAAAGTGGCCCGGATGCCACTACGAAGGAGGTGAAGGACTCCCTGGGGAAGCAGT
 GGTCTCAGCTCTCGGACAAAAAGAGGCTGAAATGGATTATAAGGCCCTGGAGCAGCGGAAGGAGTACGA
 GGAGATTATGCGTGATTATCCAGAAGCACCTGAGCTAAACATCAGCGAGGAAGGTATCACCAAGTCT
 ACCCTCACTAAGGCCGAACGCCAGCTCAAGGACAAATTTGATGGACGACCCACCAAGCCACTCCGAACA
 GCTACTCCCTGTACTGTGCAGAGCTCATGGCAACATGAAGGATGTGCCAGCACAGAGCGCATGGTGCT
 ATGCAGCCAGCAGTGAAGCTGCTCTCCAGAAGGAAAAGGATGCTTATCACAAGAAGTGTGACCAGAAA
 AAGAAAGATTATGAAGTGGAGCTGCTGCGGTTCCCTTGAGAGCTTGCCAGAGGAAGAGCAGCAGCGGGTCC
 TGGGAGAGGAGAAGATGTTGAACATCAATAAGAAGCAGACCACCTCCAGCCTCCAAGAAGCCTTCACA
 GGAAGGTGGCAAAGGTGGTTCGGAGAAGCCAAAGCGGCCCTGTGTCTGCCATGTTTCATCTTCTCAGAGGAG
 AAGAGAAGGCAGCTTCAGGAGGAACGACCTGAGCTCTCAGAAAAGTGAAGTGAAGTGAAGTGAAGTGAAG
 TGTGGAACGACTTGTCCGAGAAGAAGAAGGCTAAATATAAGGCCCGGGAGGCCGCGCTGAAGGCACAGTC
 CGAGAGGAAGCCTGGCGGAGAGCGTGAAGATAGGGGCAAGTTGCCAGAGTCGCCAAGAGAGCTGAGGAG
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 CCAATGGGGAACAAATCACCTGCCACTCAAGGAGCGCATGGTGGAGATCGGCAGCCGTTGGCAGCGCAT
 CTCCCAGAGCCAGAAGGAGCACTATAAGAAGCTGGCTGAGGAACAGCAGAGGCAGTACAAGTGAAGTGA
 GACCTCTGGGTCAAGAGCCTATCTCCCCAGGACCGCGCAGCATACAAAGAATACATCTCCAATAAACGTA
 AGAACATGACTAAGCTTCGAGGCCAAACCCCAAGTCTAGCCGGACCCCTGCAGTCCAAGTCCGGAGTC
 AGAGGAAGACGACGATGAGGAAGATGATGATGATGATGACGAGGAGGAAGAGGAAGATGATGAGAACGGC
 GACTCGTCCGAGGACGGTGGGGATTCTTCTGAGTCGAGCAGTGAAGATGAAAGCGAGGACGGGGATGAGA
 ATGAGGATGATGACGACGACGAGGATGACGACGAGGATGACGATGAGGATGAAGACAACGAGTCTGAGGG
 CAGTAGCTCCAGCTCCTCATCTTCAGGGGACTCCTCAGATTCTGACTCCAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200408 representing NM_001127690
 Red=Cloning site Green=Tags(s)

MNGEADCPTDLEMAAPKGQDRWSQEDMLTLLCEMKNLPSNDSSKFKTTESHMDWEKVAFKDFSGDMCKL
 KWVEISNEVRKFRRTLTELILDAQEHVKNPYKGGKLLKHPDFPKKPLTPYFRFFMEKRACYAKLHPMSNL
 DLTKILSKYKELPEKKMKYIQDFQREKQEFERNLARFRREDHPDLIQNAKSDIPEKPKTPQQLWYTHE
 KKVYLKVRPDATTKVKDSL GKQWSQLSDKKRLKWIHKALEQRKEYEEIMRDYIQKHPELNI SEEGITKS
 TLTKAERQLKDKFDGRPTKPPPNYSLYCAELMANMKDVPSTERMVLCSQQWLLSQKEKDAYHKKCDQK
 KKDYEVELLRFLLESLPEEEQQRVLGEEKMLNINKKQTTSPASKPKPSQEGGKGGSEKPKRPVSAMFIFSEE
 KRRQLQEERPELSESELTRLLARMWNDLSEKKAKYKAREAALKAQSERKPGGEREDRGKLPESPKRAEE
 IWQQSVIGDYLARFKNDRVKALKAMEMTWNMEKKEKLMWIKKAAEDQKRYERELSEMRAPPAATNSSKK
 MKFQGEPPKPPMNGYQKFSQELL SNGELNHLPLKERMVEIGSRWQRI SQSQKEHYKLLAEEQQRQYKVHL
 DLVWVSLSPQDRAAYKEYISNKRKNMTKLRGPNPKSSRTLQSKSESEDDDEDDDDDEEEEDDENG
 DSSEDDGGSSSESSSEDESEDGDNEDDDDEDDDEDDDEDEDNESESSSSSSSSGSDSSSDSN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001127690

ORF Size: 2292 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_001127690.2](#), [NP_001121162.1](#)

RefSeq Size: 4736 bp

RefSeq ORF: 2295 bp

Locus ID: 25574

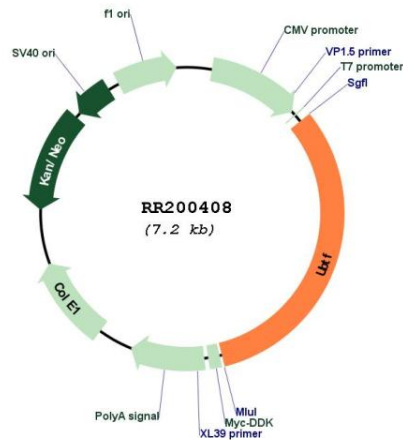
UniProt ID: [P25977](#)

Cytogenetics: 10q32.1

MW: 89.4 kDa

Gene Summary: mediates transcription initiation by RNA polymerase I [RGD, Feb 2006]

Product images:



Circular map for RR200408