

## Product datasheet for **RR200409**

### Ubtf (NM\_001105723) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ubtf (NM_001105723) 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:**

>RR200409 representing NM\_001105723  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAACGGAGAAGCCGACTGTCCCACAGACCTGGAATGGCCGCCCCAAAGGCCAAGACCCTGGTCCC  
 AGGAAGATATGCTAACTTTGCTGGAATGCATGAAGAACAACCTTCCATCCAATGACAGCTCCAAGTTCAA  
 GACCACAGAGTCGCATATGGACTGGGAAAAAGTCGCATTTAAGGATTTTTCAGGAGATATGTGCAAGCTC  
 AAATGGGTGGAGATTTCTAACGAGGTAAGGAAGTTCCTACTTTGACAGAATTGATCCTTGATGCTCAGG  
 AACATGTTAAAAACCTTACAAAGGCCAAAACTCAAGAAACACCCGGATTTTCCAAAGAAACCTCTCAC  
 CCCCTACTTCGCTTCTCATGGAGAAGCGGGCAAGTACGCGAACTCCACCCTGAGATGAGCAACCTG  
 GACTTGACTAAGATCCTGTCTAAGAAATACAAGGAGCTTCCAGAGAAGAAGAAGATGAAATATATTCAGG  
 ACTTCCAGAGGGAGAAACAGGAGTTCGAGCGAAACCTGGCCCGATTCCAGGGAGGATCACCTGACCTTAT  
 CCAGAATGCCAAGAAGTCGGACATCCCCGAGAAGCCAAAACCTCCAGCAACTGTGGTACACCCATGAG  
 AAGAAGGTGATCTCAAAGTGGCCCGGATGAGATTATGCGTGATTATATCCAGAAGCACCTGAGCTAA  
 ACATCAGCGAGGAAGGTATCACCAAGTCTACCCTCACTAAGGCCGAACGCCAGCTCAAGGACAAATTTGA  
 TGGACGACCCACCAAGCCACCTCCGAACAGCTACTCCCTGTACTGTGCGAGGCTCATGGCAAATGAAG  
 GATGTGCCCAGCAGAGCGCATGGTGCTATGCAGCCAGCAGTGGAAAGTGTCTCTCCAGAAGGAAAAAGG  
 ATGCTTATCACAAGAAGTGTGACCAGAAAAAGAAAGATTATGAAGTGGAGCTGCTGCGGTTCTTTGAGAG  
 CTTGCCAGAGGAAGAGCAGCAGCGGGTCTGGGAGAGGAGAAGATGTTGAACATCAATAAGAAGCAGACC  
 ACCAGTCCAGCCTCCAAGAAGCCTTACAGGAAGGTGGCAAAGTGGTTCCGAGAAGCCCAAGCGGCCTG  
 TGCTGCCATGTTTCATCTTCTCAGAGGAGAAGAGAAGGCAGCTTCCAGGAGGAACGACCTGAGCTCTCAGA  
 AAGTGAGCTGACCCGCTTCTGGCCCGCATGTGGAACGACTTGTCCGAGAAGAAGAAGGCTAAATATAAG  
 GCCCGGAGGCCGCGCTGAAGGCACAGTCCGAGAGGAAGCCTGGCGGAGAGCGTGAAGATAGGGGCAAGT  
 TGCCAGAGTCGCCAAGAGAGCTGAGGAGATCTGGCAGCAGAGTGTATCGGAGACTATCTGGCCCGCTT  
 TAAGAATGACCGGTGAAAGCCTTGAAGCCATGGAGATGACGTGGAACAACATGGAGAAGAAGGAGAAG  
 CTCATGTGGATTAAGAAGGCTGCAGAAGACCAAAAACGATATGAGAGAGAGTTAAGTGAAGTGGGGCCC  
 CTCAGCTGCTACGAACCTTCCAAGAAGATGAAGTTCAGGGAGAGCCCAAGAAACCGCCTATGAACGG  
 TTACCAGAAGTCTCCAGGAGCTGCTGTCCAATGGGGAACAAATCACCTGCCACTCAAGGAGCGCATG  
 GTGGAGATCGGCAGCCGTTGGCAGCGCATCTCCAGAGCCAGAAGGAGCACTATAAGAAGCTGGCTGAGG  
 AACAGCAGAGGCAGTACAAGGTGCACTTGGACCTCTGGGTCAAGAGCCTATCTCCCAGGACCGCGCAGC  
 ATACAAAGAATACATCTCCAATAAAGCTAAGAACATGACTAAGCTTCGAGGCCAAACCCCAAGTCTAGC  
 CGGACCACCTGCAGTCCAAGTCGGAGTCAGAGGAAGACGACGATGAGGAAGATGATGATGATGATGACG  
 AGGAGGAAGAGGAAGATGATGAGAACGGCGACTCGTCCGAGGACGGTGGGGATTCTTCTGAGTCGAGCAG  
 TGAAGATGAAAGCGAGGACGGGGATGAGAATGAGGATGATGACGACGACGAGGATGACGACGAGGATGAC  
 GATGAGGATGAAGACAACGAGTCTGAGGGCAGTAGCTCCAGCTCCTCATCTTCAGGGGACTCCTCAGATT  
 CTGACTCCAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATGAGTTTAA

**Protein Sequence:** >RR200409 representing NM\_001105723  
Red=Cloning site Green=Tags(s)

MNGEADCPTDLEMAAPKGQDRWSQEDMLTLLCEMKNLPSNDSSKFKTTESHMDWEKVAFKDFSGDMCKL  
 KWVEISNEVRKFRTL TELILDAQEHVKNPYKGGKLLKHPDFPKKPLTPYFRFFMEKRACYAKLHPMSNL  
 DLTKILSKYKELPEKKMKYIQDFQREKQEFERNLARFRREDHPDLIQNAKSSDIPEKPTPQQLWYTHE  
 KKVYLKVRPDEIMRDYIQKHPNELNISEEGITKSTLTKAERQLKDKFDGRPTKPPNSYSLYCAELMANMK  
 DVPSTERMVLCSQQWLLSQKEKDAYHKKCDQKKDYEVLLRFLESPEEEQQRVLGEEKMLNINKKQT  
 TSPASKKPSQEGGKGGSEKPRPVSAMFIFSEEKRRQLQEERPELSESELTRLLARMWNDLSEKKKAKYK  
 AREAALKAQSERKPGGEREDRGKLPESPKRAEEIWQQSVIGDYLARFNDRVKALKAMEMTWNMEKKEK  
 LMWIKKAAEDQKRYERELSEMRAPPAATNSSKMKFQGEPPKPPMNGYQKFSQELLNGLNHLPLKERM  
 VEIGSRWQRISSQKEHYKLAEEQQRQYKVLHDLVWKSLSPODRAAYKEYISNKRKNMTKLRGPNPKSS  
 RTTLQSKSESEDDDEDDDDDEEEEDDENGDSSEGGDSSESSSESESESGDENEDDDDDDEDDDD  
 DEDEDNESEGSSSSSSSSGSDSDSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001105723

**ORF Size:** 2181 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\\_001105723.3](#), [NP\\_001099193.2](#)

**RefSeq Size:** 4625 bp

**RefSeq ORF:** 2184 bp

**Locus ID:** 25574

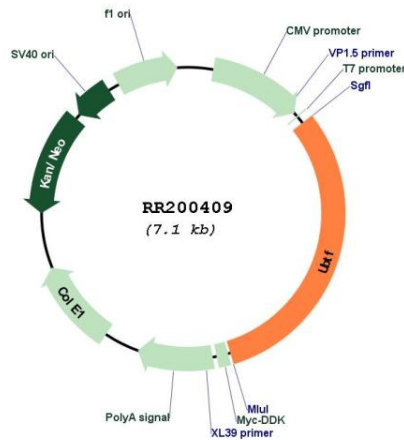
**UniProt ID:** [P25977](#)

**Cytogenetics:** 10q32.1

**MW:** 85 kDa

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

**Product images:**



Circular map for RR200409