

## Product datasheet for **RR217028**

### Ubash3b (NM\_001191792) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ubash3b (NM_001191792) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubash3b
Synonyms:	RGD1310357; Sts-1; Sts1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR217028 representing NM\_001191792  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCGCGCGGAGGAGCTGTACAGCAAAGTCACCCCGGTAGGGACCGCTGCAGCGTCCGGGACCG  
 TCAGGCATGGGTCGGCGCTGGACCTGCTCCTGTCCATGGGCTTCCCCCGCGCCCGCACAAAAAGCTCT  
 GGCATCCACGGGAGGAAGAAGCGTTCAAGCAGCATGTGACTGGTTGTTCTCCACGTGCGGGACCCCTTC  
 CTGGATGACCCCTGCCTCGGGAGTATGTTCTCTACCTCCGCCAACCGTCCATTAGCCAGAAGCTCT  
 CTGACTTCTGGCAGCAGTCCAAGCAGATCTGTGGGAAGAACAAGGCCACAACATCTTCCCCACATCAC  
 CCTCTGCCAGTTCTTATGTGCGAGGACAGCAAGGTGGATGCTCTGGGAGAAGCCCTGCAGACTACTGTC  
 AGTCGATGGAGGTGAAGTTCTCAGCCCCACTACCCTGGAGCTGTACACCTCCTCCAATTCATCGGGC  
 TCTTTGTGAAGGAAGACAGCGCAGAGGTCTCAAGAAGTTCGCGGCTGACTTCGCCCGAGAGGCTGCATC  
 CAAAACCGAAGTGCACGTGGAGCCTCATAAGAAGCAGCTGCACGTGACTGGCCTACCATTCCAAGCC  
 AGCCACCTACCCACCCTAGAGAACTCGCCAGAACATCGATGTCAAGCTAGGGTGTGACTGGGTGGCCA  
 CCATATTTCTCTCGGGATATCCGATTTGCTAATCATGAGACGTTACAGGTGATCTACCCTATTACCTCA  
 GAATGATGACGAATTGGAGTTGGTCCCAGGGGACTTTCATCTTATGTCTCCTATGGAACAGACCAGCACC  
 AGTGAGGGCTGGATTTATGGCACCTCGCTGACCACTGGCTGCTCTGGGCTGCTCCCCGAGAACTACATTA  
 CCAAGGCTGATGAGTGTAGCACCTGGATCTTCCATGGTTCCTGTTCTATCTTGAATACGGTATCATCCAG  
 CGCACTCGCATTGGCGATGGGGCGTTAGAGAGGGCAGTATGAGGATCAAGGACTTGGGGAGACTACA  
 CCCCTCACTATCATTGTCAGCCATGCAGCCCCTGAGAGTCAACAGCCAGCCTGGGCCCCAGAAGCGAT  
 GCCTCTTTGTCTGTCGGCACGGGAGAGGATGGACGTTGTGTTTGGGAAGTACTGGCTATCCCAATGTTT  
 CGATGCCAAAGGCCGCTACATACGCACCAACCTGAACATGCCTCACAGTTACCTCAGCGGAGCGGCAGT  
 TTCCGGGATTACGAGAAAGATGCTCCAATCACTGTGTTTGGGTGTATGCAAGCAAGACTAGTGGGTGAAG  
 CTTGTTAGAAAGTAACACCGTCATTGACCACGTTTATTGCTCACCATCCCTACGCTGCGTTCAGACCGC  
 ACATAATATATTGAAAGTTTACAACAAGACAATCACTTGAAGATTCGGGTCGAGCCAGGCCTATTTGAA  
 TGGACAAAGTGGGTTGCTGGGAGCACATTGCCAGCATGGATGCCTCCATCAGAGCTAGCAGCAGCCAACC  
 TGAGTGTGATACAACCTACAGACCTCACATCCAGTCAGCAAATGGTGATTTCCGGAATCCTATGACAC  
 CTACATCAATAGGAGTTCCAGGTGACGAAGGAGATAATAAGTGAATGCAAAAGTAAGGGAATAACATT  
 CTGATTGTGGCCACGCATCTTCCCTCGAAGCATGTACCTGCCAGCTCCAAGGCCTATCCCCGAGAAGT  
 CTAAGGACTTCGTGCAAATGGTCCGGAAGATCCCATATTTAGGCTTCTGTTCTCCTGCGAAGAAGTGGGAGA  
 AACCGGAATATGGCAACTGACAGACCCACCCATCTTCCCCTTACCCACGGACCCACTGGGGCTTCAAC  
 TGGAGAGAGACCTTCTGCAAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR217028 representing NM\_001191792  
Red=Cloning site Green=Tags(s)

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MAAREELYSKVTPRRDRLQRPQTVRHGSALDLLLSMGFPARAQKALASTGGRSVQAACDWLFSHVGDPF
LDDPLPREYVLYLRPTGPLAQKLSDFWQQSKQICGKNKAHNI FPHITLCQFFMCEDSKVDALGEALQTTV
SRWRCKFSAPLPLELYTSSNF IGLFVKEDSAEVLKKFAADFAEAASKTEVHVPEPHKKQLHVTLAYHFQA
SHLPTLEKLAQNI DVKLGCDWVATIFSRDIRFANHETLQVIYPYSPQNDDELELVPGDFIFMSPMEQST
SEGWIYGTSLTTGCSGLLPENYITKADECSTWIFHGSCSILNTVSSSALAFGDGALERQYEDQGLGETT
PLTIICQPMQPLRVNSQPGPQKRCLFVCRHGERMDVVFVKYWLSQCFDAKGRIYRINLNMPSLPLPQRSGS
FRDYEKDAPITVFGCMQARLVGEALLESNTVIDHVCPSLRCVQTAHNILKGLQDNLKIRVEPGLFE
WTKWVAGSTLPAWMPPSELAAANL SVDTTYRPHIPVSKL VISESYDTYINRSFQVTKIIESECKSGNNI
LIVAHASSLEACTQLQGLSPQNSKDFVQMRKIPYLGFCSEELGETGIWQLTDPPIPLPLTHGPTGGFN
WRETL LQE
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001191792

**ORF Size:** 1914 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\\_001191792.1](#), [NP\\_001178721.1](#)

**RefSeq Size:** 2585 bp

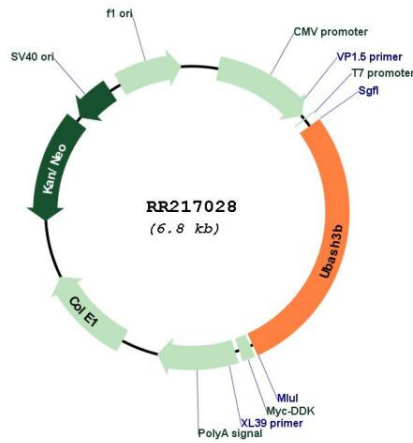
**RefSeq ORF:** 1917 bp

**Locus ID:** 315579

**Cytogenetics:** 8q22

**MW:** 71.5 kDa

**Product images:**



Circular map for RR217028