

## Product datasheet for **MR200088**

### 2310003F16Rik (BC021588) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: 2310003F16Rik (BC021588) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: 2310003F16Rik

Synonyms: HYPK, HSPC136

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR200088 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGACCGAGGGAGACGTGGAGTTGGAGTTAGAGACCGAGACCAGCGGCCGGAGCGGCCTCCCGAGA  
AGCCAAGGAAACATGACAGTGGTGTGCTGACCTAGAGCGGGTTACTGACTATGCGGAGGAGAAGGAGAT  
CCAGAGTTCGAATCTTGAAACGGCTATGTCCGTCATTGGAGACAGACGGTCCAGGGAACAAAGGCCAAA  
CAAGAGCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200088 protein sequence  
Red=Cloning site Green=Tags(s)  
MATEGDVELELETETSGPERPPEKPRKHDSGAADLERVTDYAEKEIQSSNLETAMSVIGDRRSREQKAK  
QER

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** BC021588

**ORF Size:** 219 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:** [BC021588](#), [AAH21588](#)

**RefSeq Size:** 739 bp

**RefSeq ORF:** 221 bp

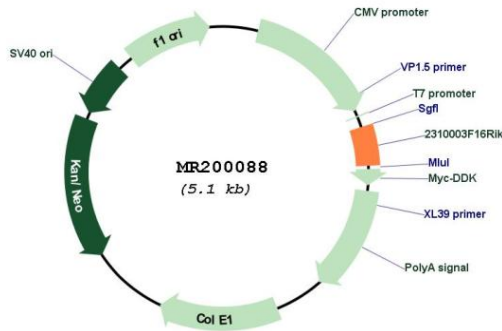
Locus ID: 67693

Cytogenetics: 2 E5

MW: 8.2 kDa

Gene Summary: Has a chaperone-like activity preventing polyglutamine (polyQ) aggregation of HTT. Protects against HTT polyQ-mediated apoptosis in neuronal cells. Required for optimal NAA10-NAA15 complex-mediated N-terminal acetylation (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200088