

Product datasheet for **MR207352**

Cep55 (NM_028293) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Cep55 (NM_028293) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Cep55 |
| Synonyms: | 1200008O12Rik; 2700032M20Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR207352 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTCAAGAAGTCCCAAAGATTTAATTAAGCAAAATGGGGATCAAGGCCTAGTAGCTCCAAGTCAG
 AACTGCATTAGAGAAATTAAGGGAGAAATTGCAGCCTTTAAACATCCCTGGATGAAATCACCTCTGG
 GAAAGGAAAAATGGCCGAAAAAGACAGAAGCAGACTTTTGGAGAAAAATCCAAGTCTTGAAGCCGAGAGA
 GAAAGAATGTTTATTACCTCCTGGAGAAGACAAAGAAATACAGAGACTCAAAGACCACCTAAGGTCAA
 GATATAGCTCTTCTTATTGTTTCGAGCAGCTGGAAGAGAAAAACAAAGGAATGTGAGAAGAAGCAGCAGTT
 GCTGGAGTCTTATCCAAAGAGACAGATGTCTGAAAAACCAGCTGTCCGCCACGACGAAAAAGACTTTCT
 GAACCTGAAAGCAAAGCCAGTACACTCCACCTGTACAGAGCATGCCTGCAAACCTGCTTCAACTCCTCAA
 TGAATAGTATTATGAAAGGAGATGCAGCTGAAAGATGCTCTGGAGAAAAACCAGCAATGGCTTGTGTA
 TGATCAGCAGCGAGAGGCCCTACGTTAAAGGGCTTTTAGCAAAGATCTTCGAGCTGGAAAAGAGAACAGAG
 ACAGCCGCTGCTCCCTCACACAGCAGATGAAGAAGATTGAATCAGAAGGTTATCTTCAAGTGGAGAAGC
 AAAAATATGATCATCTCTTGGAAAAATGCCAAAAAGATCTCGAAGTTGAGCGACAAGCCGTGACTCAGTT
 GCGTTTAGAACTCGATGAATTTGAAAGAAATACGAAGAAGCTCGAAAAGAGTTGAAGACTTAAATCAG
 CTGTTGAGCTCTCAGCGAAAGGCAGACATCCAGCACCTGGAGGAGGACAAGCAGAAGACGGAGAGGATCC
 AAAAGCTGAGGGAAGAGAGCAGTATCTTCAAGGAAAAGCTGGAAGAGGAGAGGAAGGTCGGAGGAGCT
 CTTATCCCAGGTCGAATTTCTACGATTCTCTGTTAAAGCACCAGAGGAGCAGGCCAGGTTAGCTCTA
 CTGGAACAGCAGATGCAGGCATGTACTTAGACTTTGAAAATGAAAACCTCGACCGCCAGAATATGCAGC
 ATCAACTATGTGATTCTTAAGGAACCTCGAAAAGCAAAAAGTCAAATAACACAGTTGGAATCCTTGCA
 GCTACATGGGTTTACCATCACAGAGCAGCCATTCCCACTCCAGAGAGAACCCTGAAAGCAGAGTGAAGCT
 ACCTCACCAAAAAGTCCAGTGCTGCACTCAATGACAGCCTAGTGAATGTCCAAAGTGCAGCGTACAGT
 ACCCAGCCACCGAGCATCGAGACCTGCTTGCCATGTGCAATACTGCATGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207352 protein sequence
 Red=Cloning site Green=Tags(s)

MSSRSPKDLIKSKWGRPSSSKSDTALEKFKGEIAAFKTSLDEITSGKGKMAEKDRSRLLLEKIQVLEAER
 EKNVYLLLEKDEIQRLKDHLRSRYSSSLFEQLEEKKECEKKQQLLESLSKETDVLKNQLSATTKRLS
 ELESKASTLHLQSMPANCFNSSMNSIHEKEMQLKDALEKNQWLVDQDQREAYVKLLAKIFELEKRT
 TAAASLTQMKKIESEGYLQVEKQKYDHLLENAKKDLEVERQAVTQLRLELDEFRRKYEEARKEVEDLNQ
 LLSSQRKADIQHLEEDKQKTERIQKLREESSIFKGLLEERKRSEELLSQVRILYDSSLKHQEEQARVAL
 LEQQMQACTLDFENEKLDQRNMQHQLYVILKELRKAKSQITQLESLLQHGFTITEQPFLQREPESESRVKA
 TSPKSPSAALNDSLVECPKCSVQYPATEHRDLLVHVEYCMK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_028293

ORF Size: 1386 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_028293.1](#), [NP_082569.1](#)

RefSeq Size: 2385 bp

RefSeq ORF: 1389 bp

Locus ID: 74107

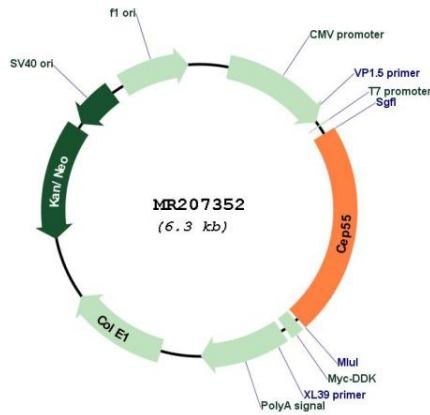
UniProt ID: [Q8BT07](#)

Cytogenetics: 19 C2

MW: 53.9 kDa

Gene Summary: Plays a role in mitotic exit and cytokinesis. Recruits PDCD6IP and TSG101 to midbody during cytokinesis. Required for successful completion of cytokinesis. Not required for microtubule nucleation. Plays a role in the development of the brain and kidney.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207352