

Product datasheet for **MR222500**

Cep55 (NM_028760) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep55 (NM_028760) 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)



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ORF Nucleotide Sequence:

>MR222500 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTTCAAGAAGTCCCAAAGATTTAATTAAGCAAAATGGGGATCAAGCCTAGTAGCTCCAAGTCAG
 AACTGCATTAGAGAAATTTAAGGGAGAAATTGCAGCCTTTAAACATCCCTGGATGAAATCACCTCTGG
 GAAAGGAAAAATGGCCGAAAAAGCAGAAAGCAGACTCTTGGAGAAAAATCCAAGTCTTGAAGCCGAGAGA
 GAAAGAATGTTTATTACCTCCTGGAGAAGGACAAAGAAATACAGAGACTCAAAGACCACCTAAGGTCAA
 GATATAGCTCTTCTTATTGTTTCGAGCAGCTGGAAGAGAAAAACAAAGGAATGTGAGAAGAAGCAGCAGTT
 GCTGGAGTCCCTATCCAAAGAGACAGATGTCTGAAAAACCAGCTGTCCGCCACGACGAAAAAGACTTTCT
 GAACCTGAAAGCAAAGCCAGTACACTCCACCTGTACAGAGCATGCCTGCAAACCTGCTTCAACTCCTCAA
 TGAATAGTATTATGAAAGGAGATGCAGCTGAAAGATGCTCTGGAGAAAAACCAGCAATGGCTTGTGTA
 TGATCAGCAGCGAGAGGCCCTACGTTAAAGGGCTTTTAGCAAAGATCTTCGAGCTGGAAAAGAGAACAGAG
 ACAGCCGCTGCTCCCTCACACAGCAGATGAAGAAGATTGAATCAGAAGGTTATCTTCAAGTGGAGAAGC
 AAAAATATGATCATCTCTTGGAAAAATGCCAAAAAGATCTCGAAGTTGAGCGACAAGCCGTGACTCAGTT
 GCGTTTAGAACTCGATGAATTTGAAAGAAATACGAAGAAGCTCGAAAAGAGTTGAAGACTTAAATCAG
 CTGTTGAGCTCTCAGCGAAAGGCAGACATCCAGCACCTGGAGGAGGACAAGCAGAAGACGGAGAGGATCC
 AAAAGCTGAGGGAAGAGAGCAGTATCTTCAAGGAAAAGCTGGAAGAGGAGAGGAAGGTCGGAGGAGCT
 CTTATCCCAGGTCGAATTTCTACGATTCTCTGTTAAAGCACCAGAGGAGCAGGCCAGGTTAGCTCTA
 CTGGAACAGCAGATGCAGGCATGTACTTAGACTTTGAAAATGAAAACTCGACCGCCAGAATATGCAGC
 ATCAACTATGTGATTCTTAAGGAATCCGAAAAAGCAAAAAGTCAAATAACACAGTTGGAATCCTTGCA
 GCTACATGGGTTTACCATCACAGAGCAGCCATTCCCACTCCAGAGAGAACCCTGAAAGCAGAGTGAAGCT
 ACCTCACCAAAAAGTCCAGTGCTGCACTCAATGACAGCCTAGTGAATGTCCAAAGTGCAGCGTACAGT
 ACCCAGCCACCGAGCATCGAGACCTGCTTGCCATGTGCAATACTGCATGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222500 protein sequence
 Red=Cloning site Green=Tags(s)

MSSRSPKDLIKSKWGRPSSSKSDTALEKFKGEIAAFKTSLDEITSGKGMKAEKGRSRLLEKIQVLEAER
 EKNVYLLLEKDKIEIQLKDHLRSRYSSSLFEQLEEKKECEKKQQLLESLSKETDVLKNQLSATTKRLS
 ELESKASTLHLSQSMFANCFNSSMNSIHEKEMQLKDALEKNQQLVYDQREAYVKGLLAKIFELEKRT
 TAAASLTQMKKIESEGYLQVEKQKYDHLLENAKKDLEVERQAVTQLRLELDEFRRKYEEARKEVEDLNQ
 LLSSQRKADIQHLEEDKQKTERIQKLREESSIFKGLLEERKRSEELLSQVRILYDSSLKHQEEQARVAL
 LEQQMQACTLDFENEKLDQRNMQHQLYVILKELRKAKSQITQLESLLQHGFTITEQPFLQREPESESRVKA
 TSPKSPSAALNDSLVECPKCSVQYPATEHRDLLVHVEYCMK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_028760

ORF Size: 1383 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_028760.3](#)

RefSeq Size: 2735 bp

RefSeq ORF: 1386 bp

Locus ID: 74107

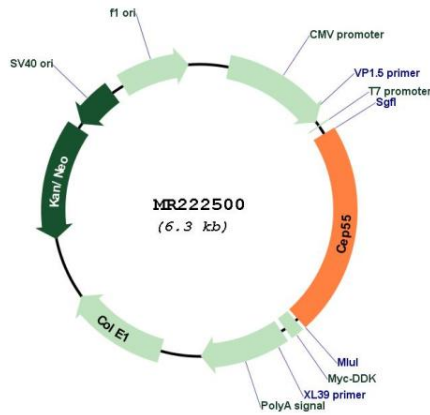
UniProt ID: [Q8BT07](#)

Cytogenetics: 19 C2

MW: 53.8 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 MR222500