

Product datasheet for MR205493

Cytip (NM_139200) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytip (NM_139200) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cytip
Synonyms:	A130053M09Rik; A1462064; C80816; Cbp; Cybr; Pscdbp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205493 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTCTGCAAAGGTTTCTGCAGCGGCAGGGCAGCAATGGCAATTTGGAGTACTGTGCTGACTCTGCCT
ACGGCTCTACTCCGTCTCACGGGCCAGCTCACGATGGAAGACAACCGAAGGATTCAAGTGCTGGCAGA
CACTGTAGCTACTTTGCCCGGGGACGAAAGCAGCTTGCCTGGCCAGATCAAGCTCTTTGGGTGATTTT
TCCTGGTCTCAAAGGAAGTTGTTACTGTGAAAAAGCAGGACAATGGAACATTTGGATTTGAAATTCAGA
CCTACAGACTCCAGAACCAGAACATCTGTTCCAGAGTGTGCACTATGATCTGCAAAGTGCAGGAAGA
CAGCCCCGCTCACTGTGCTGGCCTGCAAGTTGGTACATCTTTGCAAATGTCAATGGTGTGAGCACAGAA
GGCTTTACTCACAAACAAGTGGTTGACCTGATCCGATCATCAGGAAATCTGCTAACGATAGAGACTCTTA
ATGGAACAATGATTCACAGAAGAGCAGAAGTGAAGCAAACTGCAGACTTTAAAGCAAACCTTGAAGAA
AAAATGGGTGGAGCTCAGGTCTCTGCACTTACAGGAACAGCGCCTGTTGCATGGAGACACAGAACTCC
CCAAATTTGAAAAACATGGACCTCGACGAGTCTGCTTTGTTGGAAATCTGCTGGGGCCGAGTCCAGCCC
TCCTGGACCGCATCGACTGTCCAGTGAGAGCAGTTGTAAGAGTTGGCTGAGCTCCCTCACAGTGGACAG
TGAGGACGGCTACCGGAGCAGTATGTCTGAGGACTCCATCCGGGTGCCTTCAGCCGGCAGACCAGCACC
GACGATGAGTGTCTTCACTCTAAGGATGGAGACGAGATTCTGCGGAATGCTTCTCCAGGAGAAACCGGA
GCATCAGTGTCACTAGTAGTGGTCTTTCTCCCTTGTGGGAGAGCAATTACTCAAGCGTGTTTGGGAC
CCTGCCCGGAAAAGCAGACGGGTAGTGTCCGAAAACAATTTGAAATTCATCCCTGGCCTTCATCGT
GCAGTGAAGAGGAAGAGAGTTCGCTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205493 protein sequence
 Red=Cloning site Green=Tags(s)

MSLQRFLQRQGSNGNLEYCADSAYGSYSVL TGQLTMEDNRRIQVLADTVATLPRGRKQLALARSSSLGDF
 SWSQRKVVTVEKQDNGTFGFEIQTYRLQNQNICSSVECTMICKVQEDSPAHCAGLQVGDIFANVNGVSTE
 GFTHKQVVDLIRSSGNLLTIETLNGTMIHRRAELEAKLQTLKQTLKKKWWELRSLHLQEQRLLHGDANS
 PNLENMDLDESSLFGNLLGPPALLDRHRLSSESSCKSWLSSLTVDSEDGYRSSMSSEDSIRGAFSRQTST
 DDECFHSKDGEILRNASSRRNRISVTS SSGSFPLWESNYSSVFGTLPRKSRGSRVKQILKFIPLGHR
 AVEEEEERF

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_139200

ORF Size: 1080 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_139200.4](#), [NP_631939.1](#)

RefSeq Size: 5735 bp

RefSeq ORF: 1080 bp

Locus ID: 227929

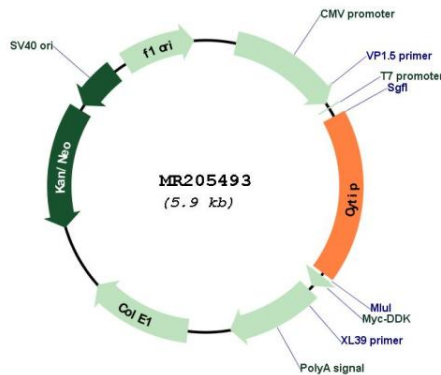
UniProt ID: [Q91VY6](#)

Cytogenetics: 2 C1.1

MW: 40.1 kDa

Gene Summary: By its binding to cytohesin-1 (CYTH1), it modifies activation of ARFs by CYTH1 and its precise function may be to sequester CYTH1 in the cytoplasm.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205493