

Product datasheet for **MR220886**

Emp3 (NM_010129) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Emp3 (NM_010129) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Emp3
Synonyms: H-4; H4; HNMP-1; MI-35; Ymp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220886 representing NM_010129
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTACTCCTCCTGTTGGTGGTCTCTGCCCTCCACATCCTCATTCTTGTCTTGCTTTTTGTGGCCACTT
TGGACAAGTCCTGGTGGACTCTCCAGACAAAGAGTCCCTGAACCTGTGGTATGACTGCACGTGGAACAC
CACCCTCAAACATGGGCTGCAGTAACGTCAGTGAGAATGGCTGGCTGAAGGCAGTGCAGGCCCTCATG
GTGCTGTCTCTCATCCTCTGCTGCCTTCATCCTCTTCATGTTCCAACCTACACCATGCGGCGCG
GAGGGCTCTTCTACGCTACCGGCTCTGCCAGCTTGCACCAGTGCAGCTGTGTTCTCCGGGGCACTCAT
CTATGCCATCCACACCGAGGAGATCCTGGCCAAGCACCCGAGTGGGGGCACTTCGGTACTGCTTCGCC
CTGGCCTGGGTGGCTTTTCCACTCGCTCTGGTCAGCGGCACTGTCTACATCCACCTGCGGAAACGTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220886 representing NM_010129
Red=Cloning site Green=Tags(s)

MSLLLLVVSALHILILVLLFVATLDKSWWTLDPKESLNLWYDCTWNTTQTWACSNVSENGWLKAVQALM
VLSLILCCLSFILFMFQLYTMRRGGLFYATGLCQLCTSAAVFSGALIYAIHTEEILAKHPSGGSFGYCF
LAWVAFPLALVSGTVYIHLRKRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

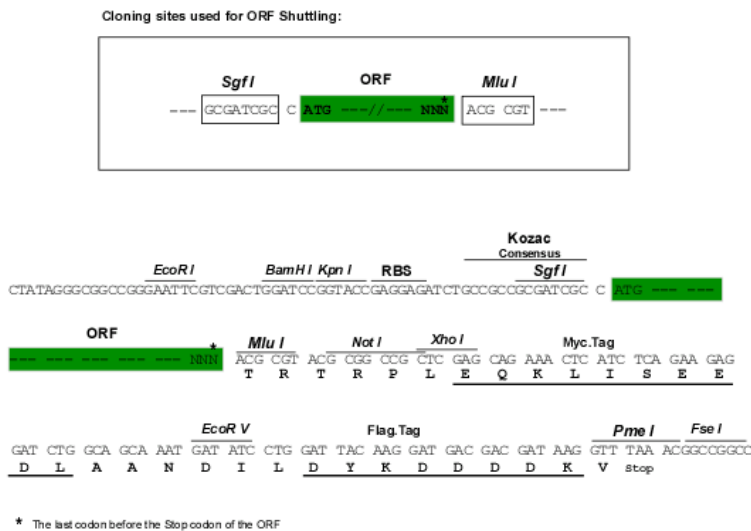
Chromatograms: https://cdn.origene.com/chromatograms/mm9029_e12.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010129

ORF Size: 489 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_010129.2](#), [NP_034259.2](#)

RefSeq Size: 758 bp

RefSeq ORF: 492 bp

Locus ID: 13732

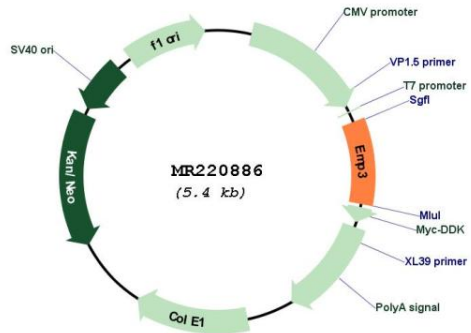
UniProt ID: [O35912](#)

Cytogenetics: 7 29.6 cM

MW: 18.7 kDa

Gene Summary: Probably involved in cell proliferation and cell-cell interactions.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220886