

Product datasheet for **RC208410**

EMP1 (NM_001423) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EMP1 (NM_001423) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: EMP1
Synonyms: CL-20; EMP-1; TMP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC208410 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGTATTGCTGGCTGGTATCTTTGTGGTCCACATCGCTACTGTTATTATGCTATTTGTTAGCACCA
TTGCCAATGTCTGGTTGGTTTCCAATACGGTAGATGCATCAGTAGGTCTTTGGAAAACTGTACCAACAT
TAGCTGCAGTGACAGCCTGTCATATGCCAGTGAAGATGCCCTCAAGACAGTGCAGGCCTTCATGATTCTC
TCTATCATCTTCTGTGTCATTGCCCTCCTGGTCTTCGTGTTCCAGCTCTTCACCATGGAGAAGGGAACCC
GGTTCTTCTCTCAGGGCCACCACACTGGTGTGCTGGCTGTGCATTCTGTGGGGGTGCCATCTACAC
TAGTCATTATGCGAATCGTGATGGAACGAGTATCACCACGGCTATTCTACATCCTGGGCTGGATCTGC
TTCTGCTTCAGCTTCATCATCGGCGTTCTATCTGGTCTGAGAAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208410 protein sequence
Red=Cloning site Green=Tags(s)

MLVLLAGIFVVHIATVIMLFVSTIANVWLVSNITVDASVGLWKNCTNISCSDSL SYASEDALKTVQAFMIL
SIIFCVIALLVFVQLFTMEKGNRFFLSGATTLVCWLCILVGVSIYTSYANRDGTQYHHGYSYILGWIC
FCFSFIIGVLYLVRKK

TRTRPLEQK**L**ISEEDLAANDILDYKDDDDK**V**

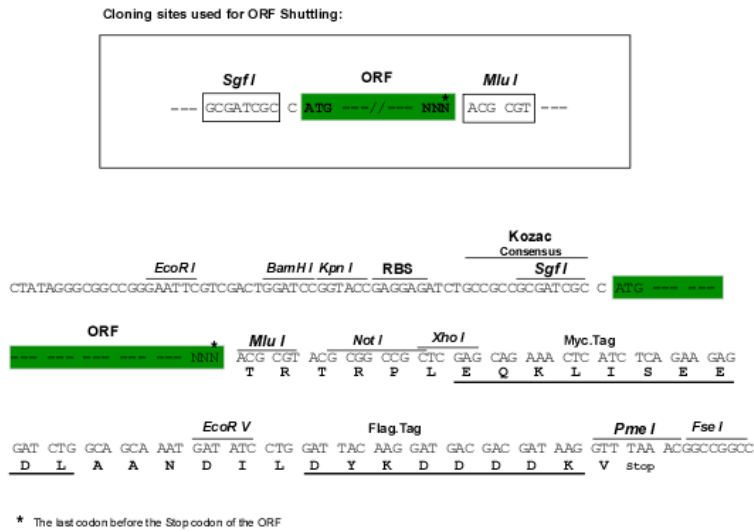
Chromatograms: https://cdn.origene.com/chromatograms/mk6090_c09.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001423

ORF Size: 471 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.

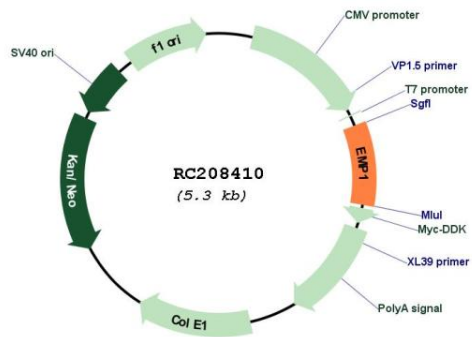
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001423.3](#)

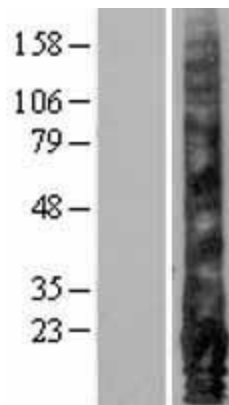
RefSeq Size: 2804 bp

RefSeq ORF: 474 bp

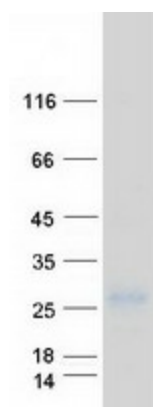
Locus ID: 2012
UniProt ID: [P54849](#)
Cytogenetics: 12p13.1
Domains: PMP22_Claudin
Protein Families: Transmembrane
MW: 17.6 kDa

Product images:


Circular map for RC208410



Western blot validation of overexpression lysate (Cat# [LY400552]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208410 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EMP1 protein (Cat# [TP308410]). The protein was produced from HEK293T cells transfected with EMP1 cDNA clone (Cat# RC208410) using MegaTran 2.0 (Cat# [TT210002]).