

Product datasheet for **RC209281**

Embigin homolog (EMB) (NM_198449) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Embigin homolog (EMB) (NM_198449) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Embigin homolog
Synonyms:	GP70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209281 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCGCCCTCCCGGCTGCTGGAGGCCAGGGCGCGTACGCCCCGGCTGCTCCTCCTCCAGTGCCTTC
TCGCTGCCGCGCGCCAAGCTCGGCGGACGGCAGTGCCCCAGATTCGCCTTTTACAAGTCCACCTCTCAG
AGAAGAAATAATGGCAAATAACTTTTCTGGAGAGTCATAACATATCACTGACTGAACATTCTAGTATG
CCAGTAGAAAAAATATCACTTTAGAAAGGCTTCTAATGTAAATCTCACATGCCAGTTCACAACATCTG
GGGATTTGAATGCAGTAAATGTGACTTGGAAAAAGATGGTGAACAACCTGAGAATAATTATCTTGTGAG
TGCAACAGGAAGCACCTTGTATACCCAATACAGGTTACCATCATTAAATAGCAAACAAATGGGAAGTTAT
TCTTGTTCTTTTCGAGAGGAAAAGGAACAAAGGGGAACATTTAATTTCAAAGTCCCTGAACCTCATGGGA
AAAACAAGCCATTGATCTCTTACGTAGGGGATTCTACTGTCTTGACATGTAATGTCAAATTTGTTTTC
TTAAATTGGACCTGGTACAGTAGTAAATGGGAGTGTAAGGTTCTCTGTTGGTGTTCAAATGAATAAATAT
GTGATCAATGGAACATATGCTAACGAAACAAAGCTGAAGATAACACAACCTTTGGAGGAAGATGGGAAT
CTTACTGGTGCCGTGCACTATTCCAATTAGGCGAGAGTGAAGAACACATTGAGCTTGTGGTGTGAGCTA
TTTGGTGCCCTCAAACATTTCTGTAATAGTGGCTGAGGTGATTCTTTTAGTGCCACCATTCTGCTT
TGTGAAAAGTACACACAAAAGAAAAGAAGCACTCAGATGAGGGGAAAGAATTTGAGCAGATTGAACAGC
TGAAATCAGATGATAGCAATGGTATAGAAAATAATGTCCCGGATAGAAAAATGAGTCTCTGGCCCA
G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC209281 protein sequence
Red=Cloning site Green=Tags(s)

MRALPGLLEARARTPRLLLLQCLLAARPSSADGSAPDSPFTSPPLREEIMANNFSLESHNLSL TEHSSM
 PVEKNITLERPSNVNL TCQFTTSGDLNAVNVTWKKGDEQLENNYLVSATGSTLYTQYRFTI INSKQMGSY
 SCFFREEKEQRGTFNFKVPELHGKNKPLI SYVGDSTVL TCKCQNCFP LNWTWYSSNGSVKVPVGVQMNKY
 VINGTYANETKLIKITQLLEEDGESYWCRALFQLGESEEHIELVLSYL VPLKPFVIVAIEVILLVATILL
 CEKYTQKKKKHSDEGKEFEQIEQLKSDDSNGIENNVPRHRKNESLGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6346_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198449

ORF Size: 981 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_198449.3](#)

RefSeq Size: 4309 bp

RefSeq ORF: 984 bp

Locus ID: 133418

UniProt ID: [Q6PCB8](#)

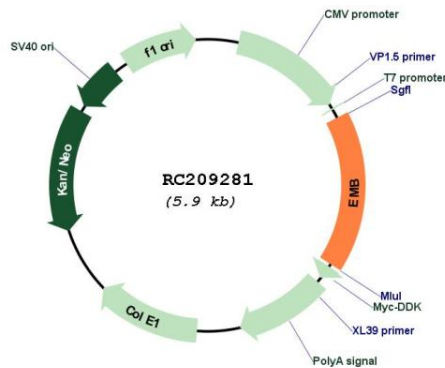
Cytogenetics: 5q11.1

Protein Families: Transmembrane

MW: 36.9 kDa

Gene Summary: This gene encodes a transmembrane glycoprotein that is a member of the immunoglobulin superfamily. The encoded protein may be involved in cell growth and development by mediating interactions between the cell and extracellular matrix. A pseudogene of this gene is found on chromosome 1. [provided by RefSeq, Jan 2009]

Product images:



Circular map for RC209281