

Product datasheet for **RC207842**

ERICH1 (NM_207332) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERICH1 (NM_207332) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ERICH1
Synonyms:	HSPC319
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC207842 ORF sequence, **codon optimized**.
Due to the complexity of NM_207332, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCCACCACAAACACGTGTTTCGTGGAGAAAGTACTGCAACGCTTGTTCGCCGGTCCCGTCTG
 GCCAAGGTAACGGGAACCTCAGACTCTGGCCGTGAGAACCCCTCCTAAGAAGGTGACGAGCGAAAAAGT
 GTCTCAGAAGCATGCTGAACCACTACGGACACCGGTTCCGAAACCCCTACCGCAGCAGCGTTGTACT
 GCCTCCGACCCCTGAGGGCTACGTTCTTGTGGCCGAGCCCTCTAGTTGTGGCTCTCCGAAAATG
 CTAGTAGCGGGGATGATACCGAGGACCAGGACCCACACGATCAGCCAAAAGGAGAAGGATTAGAAAAGCA
 CAAAAGCAAGAAGAAGTTCAAGAATCCAATAATGTGTTGATAGAACAGGCGAAGTGGAAAAGCAACAG
 TCTCTTCCAGGAGAAAAGCCAGCGCCAACACACAGACGGAACCACCATATCTAAAAACAAGAAGGA
 AGCTGAAAAGAAGCAGCAGATTAAGCGGAAGAAGGCGGCCGACTGGCTGCTAAGGCCGTGGCGTGTCT
 TTTTATGTATCAACCAGAAGATAGCAGTAATGAGGGGGAAGGCGTGGGAGAGGCTTGCGAGGAGGATGGC
 GTTGATACTAGTGAGGAAGACCCACCCCTCGCCGGCAAGAGGACGTTAAGGACACAAGAGAGGAAGACG
 GTGCTGATGCATCAGAGGAGGATTTGACGCGGCTCGCAAGAGGAGGGTGCAGATGCCTCTGAGGAGGA
 CCCTACGCCAGCGGAGAGGAAGACGTCAGGACGCAAGGAGGAGGACGAGTGCATACATTGAAGAA
 GACCTTACCCGCGCTGGGGAAGAAGACGGGAAGGACACCGGAAGAAGATGGCGCCGATGCATCAGAAG
 AAGACCCTACATGGGCCGCGAGGAGGAAGGGGCGACAGCGGCGAGGAAGATGGAGCCGATGCATCTGA
 GGAAGATGACACCATTACCAATGAAAAAGCACACTCTATACTCAACTTCTGAAGTCCACCCAAGAAATG
 TACTTTTACGACGGGTGAGCAGAGACGCCAGTGGGCTCTGGCTGACGCTGCGGAGGAACTGCTCG
 ATAGGCTCGAAGCCACAGTATGCTGCCTTCTGACGTTTCTATACTGTACCACATGAAAACCTGCTGCT
 CCTGCAAGACACTGAAAGGCTTAAGCACGCCCTGGAAATGTTCCCTGAACATTGCACTATGCCTCCCGAC
 CACGACGGGTGATCTCCGCCTTTTCTCTACTGGATCAGCATATCCTGCCCGAGAAGAGCTCCGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207842 representing NM_207332
 Red=Cloning site Green=Tags(s)

MAHRKHVFVEKVLQRLFPPVPSGQKREPQTLAVQNPPKVTSEKVSQKHAEPLTDTGSETPTARRLYT
 ASGPPEGYVPCWPEPSSCGSPENASSGDDTEDQDPHDQPKRRRIRKHKSKKFKNPNVLI EQAELEKQQ
 SLLQEKSQRQHTDGTIISKNNKRKLKKKQQIKRKAAGLAAGAAGVSMYQPEDSSNEGEGVGEACEEDG
 VDTSEEDPTLAGEEDVKDTREEDGADASEEDL TRARQEEGADASEEDPTPAGEEDVKDAREEDGVDITIEE
 DLTRAGEEDGKDTREEDGADASEEDPTWAGEEAGDSGEEDGADASEEDTITNEKAHSILNFKSTQEM
 YFYDGVSRDAASAALADAAEELLDRLASHMPLSDVSILYHMKLLLLQDTERLKHLEMFPEHCTMPPD
 HARVISAFFSYWITILPEKSSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_207332

ORF Size: 1329 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_207332.1](#), [NM_207332.2](#), [NP_997215.1](#)
RefSeq Size: 1798 bp

RefSeq ORF: 1332 bp

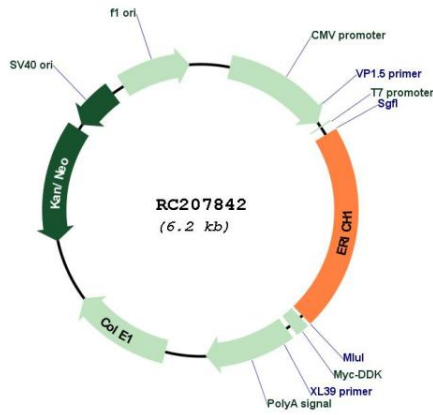
Locus ID: 157697

UniProt ID: [Q86X53](#)

Cytogenetics: 8p23.3

MW: 49 kDa

Product images:



Circular map for RC207842