

Product datasheet for **RC216689**

EPB41 (NM_203343) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPB41 (NM_203343) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EPB41
Synonyms:	4.1R; EL1; HE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC216689 representing NM_203343
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGACAACAGAGAAGAGTTTAGTGACTGAGGCCGAAAATTCACAGCACCAACAGAAGGAAGAGGGTGAGG
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 GAGCGGACATCAGAAAGCAGAGGACTTTACGACTATTCTCCTCGTTTCTCAAAAGGCCCAATCTCAGG
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Protein Sequence:

>RC216689 representing NM_203343
 Red=Cloning site Green=Tags(s)

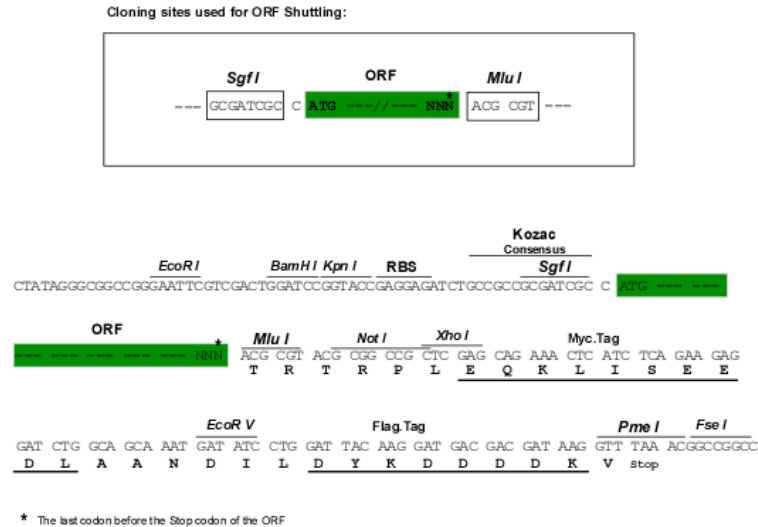
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 FLENAKKLSMYGVDLHKAKDLEGVDIILGVCSSGLLVYKDKLRINRFPWPVKVKISYKRSSFFIKIRPGE
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 VKKEDEPPEQAEPEPTAWKDLDSQEEIKKHASISELKKNFMESVPEPRPSEWDKRLSTHSPFRTLNI
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 EIADE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



ACCN:	NM_203343
ORF Size:	2325 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_203343.3](#)

RefSeq Size: 5694 bp

RefSeq ORF: 2328 bp

Locus ID: 2035

Cytogenetics: 1p35.3

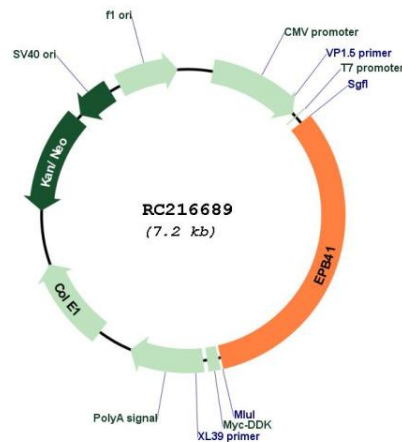
Protein Families: Druggable Genome

Protein Pathways: Tight junction

MW: 86.6 kDa

Gene Summary: The protein encoded by this gene, together with spectrin and actin, constitute the red cell membrane cytoskeletal network. This complex plays a critical role in erythrocyte shape and deformability. Mutations in this gene are associated with type 1 elliptocytosis (EL1). Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Oct 2009]

Product images:



Circular map for RC216689