

Product datasheet for **RG216689**

EPB41 (NM_203343) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPB41 (NM_203343) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EPB41
Synonyms:	4.1R; EL1; HE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216689 representing NM_203343
 Red=Cloning site Blue=ORF Green=Tags(s)

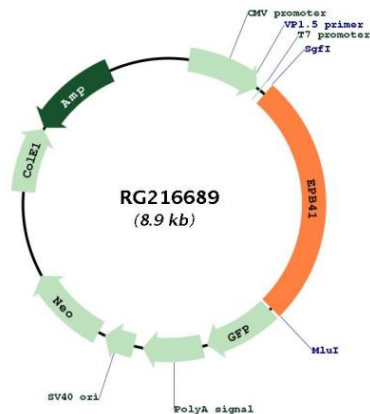
TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAACAGAGAAGAGTTTAGTGACTGAGGCCGAAAATTCACAGCACCAACAGAAGGAAGAGGGTGAGG
 AAGCCATAAACTCAGGCCAACAAAGAACCTCAGCAGGAGGAATCTTGTCAAACAGCAGCTGAAGGAGATAA
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 GAGCGGACATCAGAAAGCAGAGGACTTTACGACTATTCTCCTCGTTTCTCAAAAGGCCAAATCTCAGG
 TGTCCGAGGAAGAAGGCCAAAGAAGTAGAGTCAGATAAAGAAAAAGGTGAAGGAGGTCAGAAAGAGATAGA
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 AGACACGATTGAAAAGAGAATTGTGATCACAGGAGATGCTGATATTGACCATGATCAGGTCCTTGTACA
 AGCCATCAAGGAGGCAAAGGAGCAGCACCCAGACATGTCAGTGACCAAGGTGGTCGTCCACCAGGAGACC
 GAGATTGCTGATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

- 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
- 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 RG216689