

Recombinant Human EPB41

Cat. No. EPB41-28575TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human EPB41 with N terminal proprietary tag, 105.27kDa.
Species	Human
Source	Wheat Germ
ProteinLength	720 amino acids
Description	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.
Molecular Weight	105.270kDa inclusive of tags
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MTTEKSLVTEAENSQHQQKEEGEEAINSGQQEPQQEESCQ TAAEGDNWCEQKLK ASNGDTPTHEDLTKNKERTSESRLS RLFSSFLKRPKSQVSEEEGKEVESDKEKGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GGQKEIEFGT SLDEEILKAPIAAPEPELKTDPSTDLHSLSSAETQPAQE ELREDPDF
 EIKEGEGLEECISKIEVKEESPQSKAETELKAS QKPIRKHRNMHCKVSLDDTVYECV
 VEKHAQGQDLLKRVCEHLNLLLEEDYFGLAIWDNATSKTWLDSAKEIKKQVRGVPW
 NFTFNVKFYPPDPAQLTEDITRYYLCLQLRQDIVAGRLPC SFATLALLGSYTIQSELG
 DYDPELHGVDYVSDFKLAPNQT KELEEKVMELHKSYSRSMTPAQADLEFLENACKLS
 MYGVDL HKAKDLEGVDIILGVCSSGLLVYKDKLRINRFPWPVKVLI SYKRSSFFIKIR
 PGEQEYESTIGFKLPSYRAAKKLWKVC VEHHTFFRLTSTDITPKSKFLALGSKFRY
 SGRTQAQTRQA SALIDRPAPHFERTASKRASRLDGAAAVDSADRSRPTS APAIT
 QGQVAEGGVLDASAKKTVVPAQKETVKAEVKKED EPPEQAEPEPTEAWKVEKTH
 IEVTVPTSNGDQTQKKRERL DGENIYIRHSNLMLLEDLDKSQEEIKKHASISELKKNF
 ME SVPEPRPSEWDKRLSTHSPFRTLNINGQIPTGEGVSTLST

**Sequence
Similarities**

Contains 1 FERM domain.

GENE INFORMATION

Gene Name EPB41 erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked) [Homo sapiens]

Official Symbol EPB41

Synonyms EPB41; erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked); EL1; protein 4.1; 4.1R;

Gene ID 2035

mRNA Refseq NM_001166005

Protein Refseq NP_001159477

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	130500
Uniprot ID	P11171
Chromosome Location	1p33-p32
Pathway	Syndecan-2-mediated signaling events, organism-specific biosystem; Tight junction, organism-specific biosystem; Tight junction, conserved biosystem;
Function	1-phosphatidylinositol binding; actin binding; protein binding; spectrin binding; structural constituent of cytoskeleton;

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA