

Recombinant Full Length Human EPB41 Protein

Cat. No. EPB41-157HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human EPB41 with N terminal proprietary tag, 105.27kDa.
Species	Human
Source	In Vitro Cell Free System
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 Mass	105.270kDa inclusive of tags
AA Sequence	MTTEKSLVTEAENSQHQQKEEGEEAINSGQQEPQQEESCQ TAAEGDNWCEQKLK ASNGDTPTHEDLTKNKERTSESRLS RLFSSFLKRPKSQVSEEEGKEVESDKEKGE GGQKEIEFGT SLDEEILKAPIAAPEPELKTDPSPDLHSLSSAETQPAQE ELREDPDF EIKEGEGLEECISKIEVKEESPQSKAETELKAS QKPIRKHRNMHCKVSLDDTVYECV VEKHAKGQDLLKRVC EHLNLL EEDYFGLAIWDNATSKTWLDSAKEIKKQVRGVPW NFTFNVKFYPPDPAQLTEDITRYYLCLQLRQDIVAGRLPC SFATLALLGSYTIQSELG DYDPELHGVVDYVSDFKLAPNQT KELEEKVMELHKSYSMTPTAQADLEFLENKKLS MYGVDL HKAKDLEGVDIILGVCSSGLLVYKDKLRINRFPWPKVLKI SYKRSSFFIKIR PGEQEYQYESTIGFKLPSYRAAKKLWKVC VEHTFFRLTSTDITPKSKFLALGSKFRY

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SGRTQAQTRQA SALIDRPAPHFERTASKRASRSLDGAAVDSADRSPRPTS APAIT
 QGQVAEGGVLDASAKKTVVPKAQKETVKAEVKKED EPPEQAEPEPTEAWKVEKTH
 IEVTVPTSNGDQTQKKRERL DGENIYIRHSNLMLLEDLDKSQEEIKKHHSISELKKNF
 ME SVPEPRPSEWDKRLSTHSPFRTLNINGQIPTGEGVSTLST

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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

MIM 130500

UniProt ID P11171

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