

Recombinant Full Length Human EPB41 Protein, GST-tagged

Cat. No. EPB41-4350HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPB41 full-length ORF (AAH39079.1, 1 a.a. - 720 a.a.) recombinant protein with GST-tag at N-terminal.
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.[provided by RefSeq, Oct 2009]
Molecular Mass	107.6 kDa
AA Sequence	MTTEKSLVTEAENSQHQQKEEGEEAINSGQQEPQQEESCQTAAEGDNWCEQKLKASNGDTPTHEDLTKNKERTSESRLSRLFSFLKRPKSQVSEEEGKEVESDKEKGEGGQKEIEFGTSLDEEILKAPIAAPEPELKTDPSPDLHSLSSAETQPAQEELREDPDFEIKEGEGLEECISKIEVKEESPQSKAETELKASQKPIRKHNRNMHCKVSLDDTVYECVVEKHAKGQDLLKRVCEHLNLL EEDYFGLAIWDNATSKTWLDSAKEIKKQVRGVPWNFTFNVKFYPPDPAQLTEDITRYYLCLQLRQDIVAGRLPCSFATLALLGSYTIQSELGDYDPELHGVDYVSDFKLAPNQTK EEEKVMELHKSYSRSMTPAQADLEFLENAKKLSMYGVDLHKAKDLEGVDIILGVCSSGLLVYKDKLRINRFPWPKVLKISYKRSSFFIKIRPGEQE

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QYESTIGFKLPSYRAAKKLWKVCVEHHTFFRLTSTDITPKSKFLALGSKFRYSGRTQA
QTRQASALIDRPAPHFERTASKRASRSLDGAAVDSADRSPRPTSAPAITQGQVAE
GGVLDASAKKTVVPAQKETVKAEVKKEDPEPEQAEPEPTAEWKVEKTHIEVTVP
SNGDQTQKKRERLDGENIYIRHSNLMLEDLDKSQEEIKKHASISELKKNFMESVPE
PRPSEWDKRLSTHSPFRTLNINGQIPTGEGVSTLST

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; P4.1; EPB4.1; band 4.1; erythrocyte surface protein band 4.1; HE;

Gene ID 2035

mRNA Refseq NM_001166005

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Protein Refseq	NP_001159477
MIM	130500
UniProt ID	P11171

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