

Recombinant Human EPB41 cell lysate

Cat. No. EPB41-560HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Elliptocytosis is a hematologic disorder characterized by elliptically shaped erythrocytes and a variable degree of hemolytic anemia. Inherited as an autosomal dominant, elliptocytosis results from mutation in any one of several genes encoding proteins of the red cell membrane skeleton. The form discussed here is the one found in the 1950s to be linked to Rh blood group and more recently shown to be caused by a defect in protein 4.1. Rh-unlinked forms of elliptocytosis are caused by mutation in the alpha-spectrin gene (MIM 182860), the beta-spectrin gene (MIM 182870), or the band 3 gene (MIM 109270).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	EPB41 erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked) [Homo sapiens]
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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
Protein Refseq	NP_001159477
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; calmodulin binding; protein binding; spectrin binding; structural constituent of cytoskeleton;

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