

Recombinant Human EPB42 protein, His & GST-tagged

Cat. No. EPB42-1406H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPB42 aa. (Leu475~Ala686 (Accession # P16452) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu475~Ala686
Description	Erythrocyte membrane protein band 4.2 is an ATP-binding protein which may regulate the association of protein 3 with ankyrin. It probably has a role in erythrocyte shape and mechanical property regulation. Mutations in the EPB42 gene are associated with recessive spherocytic elliptocytosis and recessively transmitted hereditary hemolytic anemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.8kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 8.6.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	EPB42 erythrocyte membrane protein band 4.2 [Homo sapiens (human)]
Official Symbol	EPB42
Synonyms	EPB42; erythrocyte membrane protein band 4.2; PA; SPH5; P4.2; erythrocyte protein 4.2; erythrocyte surface protein band 4.2
Gene ID	2038
mRNA Refseq	NM_000119.2
Protein Refseq	NP_000110.2

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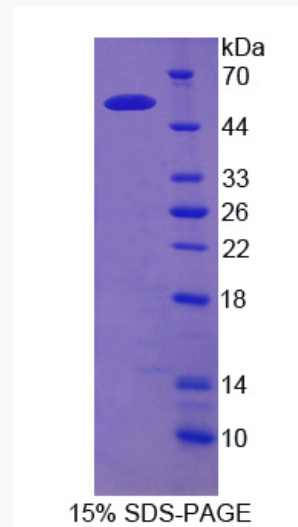
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UniProt ID

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SDS-PAGE

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