

Recombinant Full Length Human EPB42 Protein, GST-tagged

Cat. No. EPB42-4267HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPB42 full-length ORF (AAH99627.1, 1 a.a. - 619 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	619 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	95.9 kDa
AA Sequence	MGQALGIKSCDFQAARNNEEHHTKALSSRRLFVRRGQPFTIILYFRAPVRAFLPALKK VALTAQTGEQPSKINRTQATFPISSLGDRKWWSAVVEERDAQSWTISVTTPADAVIG HYSLLLQVSGRKQLLLGQFTLLFNPWNREDAVFLKNEAQRMEYLLNQNGLIYLGAD CIQAESWDFGQFEGDVIDLSLRLLSKDKQVEKWSQPVHVARVLGALLHFLKEQRVL PTPQTQATQEGALLNKRRGSVPILRQWLTGRGRPVYDGGQAWVLA AVACTVLRCLGI PARVVTTFASAQGTGGRLIDEYYNEEGLQNGEGQRGRIWKCCEDGTLELTDSNTK YVGNISTKGVGSDRCEDITQNYKYPEGSLQEKEVLERVEKEKMEREKDNIGIRPPSL

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ETASPLYLLLKAPSSLPLRGDAQISVTLVNHSEQEKAQVQLAIGVQAVHYNGVLAACL
WRKKLHLTSLANLEKIITIGLFFSNFERNPPENTFLRLTAMATHSESNLSCFAQEDIAIC
RPHLAIKMPEKAEQYQPLTASVSLQNSLDAPMEDCVISILGRGLIHRERSYRFRSVW
PENTMCAKFQFTPTHVGLQRLTVEVDCNMFQNLNTNYKSVTVVAPELSA

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 EPB42 erythrocyte membrane protein band 4.2 [Homo sapiens]

Official Symbol EPB42

Synonyms EPB42; erythrocyte membrane protein band 4.2; Erythrocyte surface protein band 4.2; MGC116735; MGC116737; PA; P4.2; erythrocyte protein 4.2; erythrocyte surface protein band 4.2; SPH5;

Gene ID 2038

mRNA Refseq NM_000119

Protein Refseq NP_000110

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MIM	177070
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UniProt ID	P16452
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