

Recombinant Human EPB42 Protein, GST-tagged

Cat. No. EPB42-3361H **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	Wheat Germ
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 VALTAQTGEQPSKINRTQATFPISSLGDRKWWSAVVEERDAQSWTISVTTTPADAVIG HYSLLLQVSGRKQLLLGQFTLLFNPWNREDAVFLKNEAQRMEYLLNQNGLIYLGTD CIQAESWDFGQFEGDVIDLSLRLLSKDKQVEKWSQPVHVARVLGALLHFLKEQRVL PTPQTQATQEGALLNKRRGSVPILRQWLTGRGRPVYDGGQAWVLAAVACTVLRCLGI PARVVTTFASAQGTGGRLIDEYYNEEGLQNGEGQRGRIWKCCEDGTLELTDSNTK YVGNNISTKGVGSDRCEDITQNYKYPEGSLQEKEVLERVEKEKMEREKDNGIRPPSL ETASPLYLLLKAPSSLPLRGDAQISVTLVNHSEQEKAVQLAIGVQAVHYNGVLAACL

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WRKKLHLTSLANLEKIITIGLFFSNFERNPPENTFLRLTAMATHSESNLSCFAQEDIAIC
RPHLAIKMPEKAEQYQPLTASVSLQNSLDAPMEDCVISILGRGLIHRERSYRFRSVW
PENTMCAKFQFTPTHVGLQRLTVEVDCNMFQNLTNYSVTVVAPELSA

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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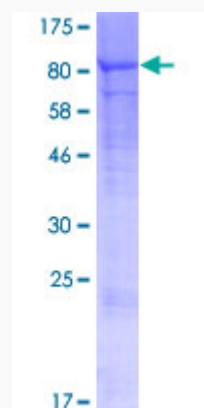
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MIM 177070

UniProt ID P16452

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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