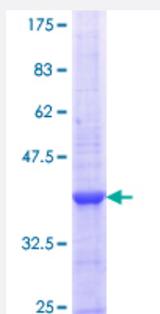


EPB42 (Human) Recombinant Protein (Q01)

Catalog # H00002038-Q01

Size 10 ug, 25 ug

Applications



Specification

| | |
|--------------------------------------|---|
| Product Description | Human EPB42 partial ORF (NP_000110.1, 623 a.a. - 721 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | KMPEKAEQYQPLTASVSLQNSLDAPMEDCVISILGRGLIHRERSYRFRSVWPENTMCAKFQFTPT HVGLQRLTVEVDCNMFQNL TNYKSVTVVAPELSA |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 36.63 |
| Interspecies Antigen Sequence | Mouse (66); Rat (69) |
| Preparation Method | in vitro wheat germ expression system |
| Purification | Glutathione Sepharose 4 Fast Flow |
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| Note | Best use within three months from the date of receipt of this protein. |

Applications

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

Gene Info — EPB42

| | |
|----------------------------|---|
| Entrez GeneID | 2038 |
| GeneBank Accession# | NM_000119 |
| Protein Accession# | NP_000110.1 |
| Gene Name | EPB42 |
| Gene Alias | MGC116735, MGC116737, PA |
| Gene Description | erythrocyte membrane protein band 4.2 |
| Omim ID | 177070 |
| Gene Ontology | Hyperlink |
| Gene Summary | 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] |
| Other Designations | Erythrocyte surface protein band 4.2 |