

Recombinant Human SPTA1 Protein, GST-tagged

Cat. No. SPTA1-114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPTA1 Protein, fused to GST-tag, was expressed in E.coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of a family of molecular scaffold proteins that link the plasma membrane to the actin cytoskeleton and functions in the determination of cell shape, arrangement of transmembrane proteins, and organization of organelles. The encoded protein is primarily composed of 22 spectrin repeats which are involved in dimer formation. It forms a component of the erythrocyte plasma membrane. Mutations in this gene result in a variety of hereditary red blood cell disorders, including elliptocytosis-2, pyropoikilocytosis, and spherocytosis, type 3.
Form	Supplied as a 0.2 µm filtered solution in PBS (pH 7.4).
Molecular Mass	~51.3 kDa
AA Sequence	KklnearsqqrntfsirdfefwlseaetllamkdqardlasagnllkkhqllereplaredalkdIntlaedllssgtfnvdqi vkkkdnvnkrflnvqelaaahheklkeayalfqffqlddeeswieeklirvssqdygrdlqgvqnllkkhkrlegelva epaiqnvdmaeklkdkaaavgqeeiqrlaqfvehweklkelakarglklees
Purity	>90%
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 1 mg/ml

GENE INFORMATION

Gene Name SPTA1 spectrin alpha, erythrocytic 1 [Homo sapiens (human)]

Official Symbol SPTA1

Synonyms EL2; HPP; HS3; SPH3; SPTA

Gene ID 6708

mRNA Refseq NM_003126

Protein Refseq NP_003117

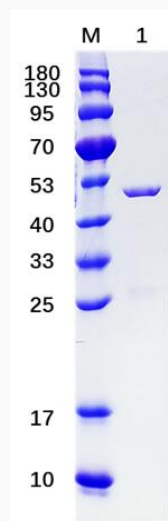
MIM 182860

UniProt ID P02549

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SDS-PAGE

12% reducing SDS-PAGE analysis of purified SPTA (approximately 2 mg protein loaded).

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