

Recombinant Human Alpha Hemoglobin Stabilizing Protein

Cat. No. AHSP-1392H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AHSP protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 11.8 kDa (102aa).
Species	Human
Source	E.coli
Description	AHSP(Alpha-hemoglobin stabilizing protein), also known as ERAF(Erythroid associated factor), is an erythroid-specific protein that acts as a chaperone to prevent the aggregation of α -hemoglobin during normal erythroid cell development. It specifically protects free α -hemoglobin from precipitation in live cells and in solution. This protein is downregulated in transmissible spongiform encephalopathies (TSEs). It is predicted to modulate pathological states of alpha-hemoglobin excess such as beta-thalassemia.
Amino Acid Sequence	MALLKANKDL ISAGLKEFSV LLNQQVFNDP LVSEEDMVTV VEDWMNFYIN YYRQQVTGEP QERDKALQEL RQELNTLANP FLAKYRDFLK SHELPSHPPP SS
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Endotoxin Level	< 1.0 EU per 1 μ g of protein (determined by LAL method).

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Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name AHSP alpha hemoglobin stabilizing protein [Homo sapiens]

Synonyms AHSP; alpha hemoglobin stabilizing protein; EDRF; ERAF; alpha hemoglobin stabilising protein; erythroid differentiation-related factor; erythroid differentiation associated factor; erythroid associated factor; Erythroid-associated factor; Alpha-hemoglobin-stabilizing protein

Gene ID 51327

mRNA Refseq NM_016633

Protein Refseq NP_057717

MIM 605821

UniProt ID Q9NZD4

Chromosome Location 16p11.1

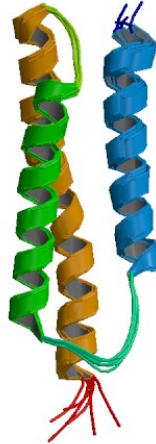
Function hemoglobin binding; unfolded protein binding

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