Datasheet for ABIN935049

aHSP Protein (AA 1-102)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	aHSP
Protein Characteristics:	AA 1-102
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MALLKANKDL ISAGLKEFSV LLNQQVFNDP LVSEEDMVTV VEDWMNFYIN YYRQQVTGEP QERDKALQEL RQELNTLANP FLAKYRDFLK SHELPSHPPP SS
Characteristics:	Purified recombinant Human AHSP protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure
Endotoxin Level:	< 1.0 EU per µg of protein (determined by LAL method)

Target Details

Target:	aHSP
Alternative Name:	AHSP (aHSP Products)
Background:	AHSP(Alpha-hemoglobin stabilizing protein), also known as ERAF(Erythroid associated factor),

Target Details

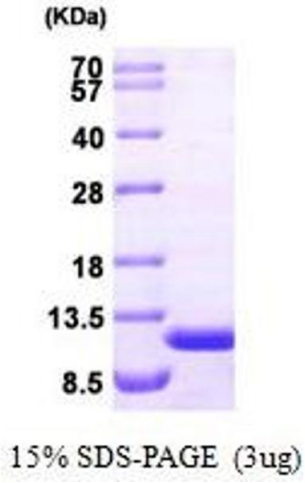
	is an erythroid-specific protein that acts as a chaperone to prevent the aggregation of alpha-hemoglobin during normal erythroid cell development. It specifically protects free alpha-hemoglobin from precipitation in live cells and in solution. This protein is downregulated in transmissible spongiform encephalopathies (TSEs). It is predicted to modulate pathological states of alpha-hemoglobin excess such as beta-thalassemia. Recombinant AHSP protein was expressed in E. coli and purified by using conventional chromatography techniques. Alternative Names: Erythroid associated factor protein, , Erythroid differentiation associated factor protein, Erythroid differentiation related factor protein, Alpha-hemoglobin stabilizing protein Alpha hemoglobin stabilizing protein protein, ERAF protein, EDRF protein
Molecular Weight:	11.8 kDa (102 AA)

Application Details

Application Notes:	AHSP protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Supplied as a liquid in 20 mM Tris-HCl buffer, pH 8.0, containing 10 % glycerol.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or - 70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.

