Product information

AHSP, 1-102 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP0369

Full Name: Alpha-hemoglobin stabilizing protein

NCBI Accession No.: NP_057717

Synonyms: ERAF, EDRF

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. Recombinant AHSP protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

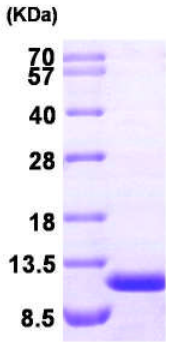
Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol

Molecular Weight: 11.8 kDa (102aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 μg of protein (determined by LAL method)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MALLKANKDL ISAGLKEFSV LLNQQVFNDP LVSEEDMVTV VEDWMNFYIN YYRQQVTGEP QERDKALQEL RQELNTLANP FLAKYRDFLK SHELPSHPPP SS

General references:

Dos Santos CO., *et al.* (2008) *J Biol Chem.* 283(40):26956-64.

Sekijima Y., *et al*. (2005) *Cell.* 121(1):73-85.

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Product information

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.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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