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Datasheet for ABIN1096807  
**HBZ Protein (AA 1-142) (His tag)**

### Overview

Quantity:	50 µg
Target:	HBZ
Protein Characteristics:	AA 1-142
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HBZ protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Hemoglobin Subunit ζ/HBAZ (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MSLTKTERTI IVSMWAKIST QADTIGTETL ERLFLSHPQT KTYFPHFDLH PGSAQLRAHG SKVVAAVGDA VKSIDDIGGA LSKLSELHAY ILRVDPVNFK LLSHCLLVTL AARFPADFTA EAHAAWDKFL SVVSSVLTEK YR
Characteristics:	Recombinant Human Hemoglobin Subunit Zeta/HBAZ is produced by our E. coli expression system. The target protein is expressed with sequence (Ser2-Arg142) of Human HBZ fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

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Target:	HBZ
Alternative Name:	Hemoglobin Subunit zeta/hbaz ( <a href="#">HBZ Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Hemoglobin Subunit Zeta (HBZ) is a member of the Globin family. The zeta chain is an alpha-type chain of mammalian embryonic Hemoglobin that is synthesized primarily in the yolk sac of the early embryo, while alpha-globin is produced throughout fetal growth and adult life. The HBZ gene consists of five functional genes and two pseudogenes, the order of genes is 5-zeta-pseudozeta-mu-pseudoalpha-1-alpha-2-alpha-1-theta-1-3.</p> <p>Alternative Names: Hemoglobin Subunit Zeta, HBAZ, Hemoglobin Zeta Chain, Zeta-Globin, HBZ, HBZ2</p>
Molecular Weight:	17.8kDa
UniProt:	<a href="#">P02008</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 2 mM DTT, 10 % Glycerol, pH 8.0.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at &lt; -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>

## Handling

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Expiry Date: 6 months