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## Product Data Sheet

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Product Name: HBZ Human  
 Cat. No.: GP23623  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Zeta-globin; HBAZ; HBZ2; Hemoglobin subunit zeta; Hemoglobin zeta chain; HBZ.		
Amino Acid Sequence	MSLTKTERTI IVSMWAKIST QADTIGTETL ERLFLSHPQT KTYFPDFDLH PGSAQLRAHG SKVVAAVGDA VKSIDDIGGA LSKLSELHAY ILRVDPVNFK LLSHCLLVTL AARFPADFTA EAHAAWDKFL SVVSSVLTEK YRLEHHHHHH.		
Formulation	The HBZ solution contains 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl and 20% glycerol.		

### Introduction

Hemoglobin subunit zeta (HBZ) is part of the globin family. Hemoglobin Zeta is alpha-like hemoglobin. The HBZ polypeptide is synthesized in the yolk sac of the early embryo, while alpha-globin is produced throughout fetal and adult life.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

HBZ Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 150 amino acids (1-142 a.a.) and having a molecular mass of 16.7 kDa. The HBZ is fused to an 8 amino acid His Tag at C-Terminus and purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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