

---

## Product Data Sheet

---

Product Name: HBZ Mouse  
 Cat. No.: GP23624  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Hemoglobin subunit zeta; Hba-x; Hbz1; AI450015; Alpha-like embryonic globin chain x; Zeta-globin.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSLMKNERAI IMSMWEKMAA QAEPiGTETL ERLFCSYPQT KTYFPDFDLH HGSQQLRAHG FKIMTAVGDA VKSIDNLSSA LTKLSELHAY ILRVDPVNFK LLSHCLLVTM AARFPADFTP EVHEAWDKFM SILSSILTEK YR.		
Formulation	HBZ protein solution (0.25mg/ml) containing 20mM MES(pH6.0), 0.1M NaCl and 10% glycerol.		

### Introduction

Hemoglobin Subunit Zeta (Hbz) or Hba-x is a alpha-like hemoglobin and part of the globin family. The protein is expressed and produced in the the yolk sac in early stages of embryonic development. Hemoglobin subunit zeta has 2 pseudogenes and 5 functional genes.

### 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 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 162 amino acids (1-142 a.a) and having a molecular mass of 18.3kDa. HBZ is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA