

**HBZ, 1-142aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP02413**

3th Edition

**Synonyms:** Hemoglobin subunit zeta, Zeta-globin, HBAZ, HBZ2

**Description:** Hemoglobin subunit zeta (HBZ) belongs to the globin family. Zeta-globin 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. The HBZ gene includes five functional genes and two pseudogenes. The order of genes is: 5' - zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta1 - 3'.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 100mM NaCl, 20% glycerol

**Molecular Weight:** 16.7kDa (150aa), confirmed by MALDI-TOF

**Sequences:**

MSLTKTERTIIVSMWAKISTQADTIGTETLERLFLSHPQTKTYFPHFDLHPGSAQLRAHGSKVVAVGDAVKSIDDIG  
GALSKLSELHAYILRVDPVNFKLLSHCLLVTLAARFPADFTAEAHAAWDKFLSVVSSVLTEKYRLEHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

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

**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.