

Recombinant Human Hemoglobin, Zeta, His-tagged

Cat. No. HBZ-2354H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HBZ fused to His-tag at C-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 16.7kDa (150aa).
Species	Human
Source	E.coli
Description	Hemoglobin subunit zeta (HBZ) is 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.
Purity	> 90% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MSLTKTERTI IVSMWAKIST QADTIGTETL ERLFLSHPQT KTYFPHFDLH PGS AQ LRAHG SKVVA AVGDA VKSIDDIGGA LSKLSELHAY ILRVDPVNFK LLSHCLLVTL AARFPADFTA EAHA AWDKFL SVVSSVLTEK YRLEHHHHHH.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

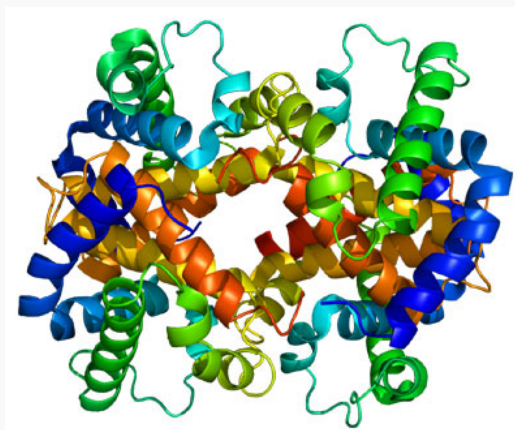
Gene Name	HBZ hemoglobin, zeta [Homo sapiens]
Synonyms	hemoglobin, zeta; HBZ; hemoglobin subunit zeta; HBAZ; zeta-globin; hemoglobin zeta chain; Hemoglobin zeta chain; Zeta-globin; HBZ2
Gene ID	3050
mRNA Refseq	NM_005332
Protein Refseq	NP_005323
MIM	142310
UniProt ID	P02008
Chromosome Location	16p13.3
Function	oxygen transporter activity; heme binding; metal ion binding; oxygen binding

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