

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) 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 SKVVAAVGDA VKSIDDIGGA LSKLSELHAY ILRVDPVNFK LLSHCLLVTL AARFPADFTA EAHAAWDKFL 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

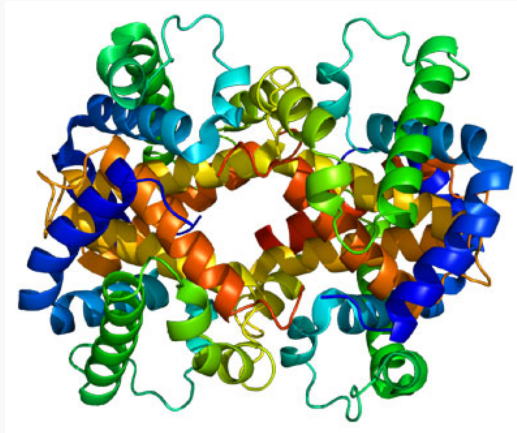
Gene Name	HBZ hemoglobin, zeta [Homo sapiens]
Synonyms	hemoglobin, zeta; HBZ; hemoglobin subunit zeta; HBAZ; zeta-globin; hemoglobin zeta chain; Hemoglobin zeta chain; Zeta-globin; HBZ2
Gene ID	3050
mRNA Refseq	NM_005332
Protein Refseq	NP_005323
MIM	142310
UniProt ID	P02008
Chromosome Location	16p13.3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

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