

Recombinant Human HBZ, His-tagged

Cat. No. HBZ-29184TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human HBZ with C terminal His tag; 150 amino acids with tag, MWt 16.7kDa.
Species	Human
Source	E.coli
Description	Zeta-globin is an alpha-like hemoglobin. The zeta-globin polypeptide is synthesized in the yolk sac of the early embryo, while alpha-globin is produced throughout fetal and adult life. The zeta-globin gene is a member of the human alpha-globin gene cluster that includes five functional genes and two pseudogenes. The order of genes is: 5 - zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 -alpha-1 - theta1 - 3.
Conjugation	HIS
Tissue specificity	Red blood cells.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Sodium chloride, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

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freeze / thaw cycles.

Sequences of amino acids

MSLTKTERTI IVSMWAKIST QADTIGTETL ERLFLSHPQT KTYFPDFDLH
PGSAQLRAHG SKVVAAVGDA VKSIDDIGGA LSKLSELHAY ILRVDPVNFK
LLSHCLLVTL AARFPADFTA EAHAAWDKFL SVVSSVLTEK YRLEHHHHHH

Sequence Similarities

Belongs to the globin family.

Full Length

Full L.

GENE INFORMATION

Gene Name

HBZ hemoglobin, zeta [Homo sapiens]

Official Symbol

HBZ

Synonyms

HBZ; hemoglobin, zeta; hemoglobin subunit zeta;

Gene ID

3050

mRNA Refseq

NM_005332

Protein Refseq

NP_005323

MIM

142310

Uniprot ID

P02008

Chromosome Location

16p13.3

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Function

heme binding; metal ion binding; oxygen binding; oxygen transporter activity;

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