

Recombinant Human HBZ, His-tagged

Cat. No. HBZ-29185TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human HBZ with a C terminal His tag. 180 amino acids with a predicted MWt 16.7 kDa including tag.
Species	Human
Source	E.coli
ProteinLength	142 amino acids
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
Molecular Weight	16.700kDa inclusive of tags
Tissue specificity	Red blood cells.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.02% DTT, 0.58% Sodium chloride, 20% Glycerol
Storage	Please see Notes section
Sequences of amino acids	MSLTKTERTI IVSMWAKIST QADTIGTETL ERLFLSHPQT KTYFPHFDLH PGSAQLRAHG SKVVAAVGDA VKSIDDIGGA LSKLSELHAY ILRVDPVNFK LLSHCLLVTL AARFPADFTA EAHAAWDKFL SVVSSVLTEK YRLEHHHHHH
Sequence Similarities	Belongs to the globin family.
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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