



Recombinant Protein Technical Manual

Recombinant Human HBAZ Protein (His Tag)

RPES0510

Product Data:

Product SKU: RPES0510

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P02008

Protein Information:

Molecular Mass: 17.8 kDa

AP Molecular Mass: 15 kDa

Tag: N-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 2mM DTT, 10% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Hemoglobin Subunit Zeta; HBAZ; Hemoglobin Zeta Chain; Zeta-Globin; HBZ; HBZ2

Immunogen Information:

Sequence: Met 1-Arg142

Background:

Hemoglobin Subunit Zeta (HBZ) is a member of the Globin family. The zeta chain is an alpha-type chain of mammalian embryonic Hemoglobin that is synthesized primarily in the yolk sac of the early embryo, while alpha-globin is produced throughout fetal growth and adult life. The HBZ gene consists of five functional genes and two pseudogenes, the order of genes is 5-zeta-pseudozeta-mu-pseudoalpha-alpha-2-alpha-theta-3.