

Hemoglobin-Zeta Human Recombinant

Item Number	rAP-3444
Synonyms	Zeta-globin, HBAZ, HBZ2, Hemoglobin subunit zeta, Hemoglobin zeta chain, HBZ.
Description	HBZ Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 150 amino acids (1-142 a.a.) and having a molecular mass of 16.7 kDa. The HBZ is fused to an 8 amino acid His Tag at C-Terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P02008
Amino Acid Sequence	MSLTKTERTI IVSMWAKIST QADTIGTETL ERLFLSHPQT KTYFPHFDLH PGSAQLRAHG SKVVAAVGDA VKSIDDIGGA LSKLSELHAY ILRVDPVNFK LLSHCLLVTL AARFPADFTA EAHAAWDKFL SVVSSVLTEK YRLEHHHHHH.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The HBZ solution contains 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl and 20% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**