

## Product datasheet for **TP306504**

### HBZ (NM\_005332) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hemoglobin, zeta (HBZ), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206504 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MSLTKTERTIIVSMWAKISTQADTIGTETLERLFLSHPQTKTYFPHFDLHPGSAQLRAHGSKVVAAVGDA VKSIDDIGGALSKLSELHAYILRVDPVNFKLLSHCLLVTLAARFPADFTAEEAHAAWDKFLSVSSVLTEK YR  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	15.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005323</a>
Locus ID:	3050
UniProt ID:	<a href="#">P02008</a>
RefSeq Size:	589



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Cytogenetics: 16p13.3

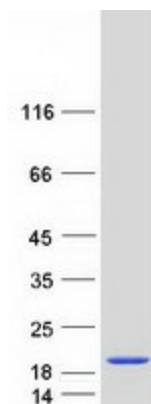
RefSeq ORF: 426

Synonyms: HBAZ; HBZ-T1; HBZ1

**Summary:** 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'. [provided by RefSeq, Nov 2009]

**Protein Families:** Embryonic stem cells, ES Cell Differentiation/IPS

### Product images:



Coomassie blue staining of purified HBZ protein (Cat# TP306504). The protein was produced from HEK293T cells transfected with HBZ cDNA clone (Cat# [RC206504]) using MegaTran 2.0 (Cat# [TT210002]).