

## Product datasheet for **TP302247L**

### Hemoglobin subunit epsilon (HBE1) (NM\_005330) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hemoglobin, epsilon 1 (HBE1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202247 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MVHFTAEEKAAVTSLWSKMNVEEAGGEALGRLLWYPWTQRRFFDSFGNLSSPSAILGNPKVKAHGKVKLT SFGDAIKNMDNLKPAFAKLSLHCDKLHVDPENFKLLGNVMVILATHFGKEFTPEVQAAWQKLVSAVAI ALAHKYH
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	16 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:	<u><a href="#">NP_005321</a></u>
Locus ID:	3046
UniProt ID:	<u><a href="#">P02100</a></u> , <u><a href="#">D9YZU7</a></u>
RefSeq Size:	816



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Cytogenetics: 11p15.4

RefSeq ORF: 441

Synonyms: HBE

**Summary:** The epsilon globin gene (HBE) is normally expressed in the embryonic yolk sac: two epsilon chains together with two zeta chains (an alpha-like globin) constitute the embryonic hemoglobin Hb Gower I; two epsilon chains together with two alpha chains form the embryonic Hb Gower II. Both of these embryonic hemoglobins are normally supplanted by fetal, and later, adult hemoglobin. The five beta-like globin genes are found within a 45 kb cluster on chromosome 11 in the following order: 5'-epsilon - G-gamma - A-gamma - delta - beta-3' [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified HBE1 protein (Cat# [TP302247]). The protein was produced from HEK293T cells transfected with HBE1 cDNA clone (Cat# [RC202247]) using MegaTran 2.0 (Cat# [TT210002]).