

## Product datasheet for TP308857

### HBQ1 (NM\_005331) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hemoglobin, theta 1 (HBQ1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208857 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MALSAEDRALVRALWKKLGSNVGVYTTEALERTFLAFPATKTYFSHLDLSPGSSQVRAHGQKVADALS LAVERLDDLPHALSALSHLHACQLRVDPAFQLLGHCLLVTLARHYPGDFSPALQASLDKFLSHVISALVSE YR  <span style="color: red;">TRPLE</span> <span style="color: green;">QKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	15.3 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_005322</a>
Locus ID:	3049
UniProt ID:	<a href="#">P09105</a>
RefSeq Size:	653


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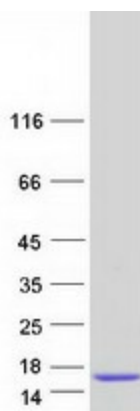
**Cytogenetics:** 16p13.3

**RefSeq ORF:** 426

**Synonyms:** HBQ

**Summary:** Theta-globin mRNA is found in human fetal erythroid tissue but not in adult erythroid or other nonerythroid tissue. The theta-1 gene may be expressed very early in embryonic life, perhaps sometime before 5 weeks. Theta-1 is a member of the human alpha-globin gene cluster that involves five functional genes and two pseudogenes. The order of genes is: 5' - zeta - pseudozeta - mu - pseudoalpha-2 - pseudoalpha-1 - alpha-2 - alpha-1 - theta-1 - 3'. Research supports a transcriptionally active role for the gene and a functional role for the peptide in specific cells, possibly those of early erythroid tissue. [provided by RefSeq, Jul 2008]

## Product images:



Coomassie blue staining of purified HBQ1 protein (Cat# TP308857). The protein was produced from HEK293T cells transfected with HBQ1 cDNA clone (Cat# [RC208857]) using MegaTran 2.0 (Cat# [TT210002]).