

# Recombinant Human HBQ1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** HBQ1-450H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	HBQ1 MS Standard C13 and N15-labeled recombinant protein (NP_005322) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	15.5 kDa
<b>AA Sequence</b>	<p>MALSAEDRALVRALWKKLGSNVGVYTTTEALERTFLAFPATKTYFSHLDLSPGSSQVR            AHGQKVADALSLAVERLDDLPHALSALSHLHACQLRVDPASFQLLGHCLLVTLARHY            PGDFSPALQASLDKFLSHVISALVSEYRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

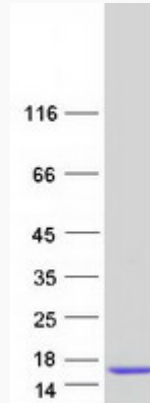
<b>Gene Name</b>	HBQ1 hemoglobin subunit theta 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	HBQ1
<b>Synonyms</b>	hemoglobin, theta 1; 4833; Ensembl:ENSG00000086506; hemoglobin subunit theta-1; theta-1-globin; hemoglobin theta-1 chain;
<b>Gene ID</b>	3049
<b>mRNA Refseq</b>	NM_005331
<b>Protein Refseq</b>	NP_005322
<b>MIM</b>	142240
<b>UniProt ID</b>	P09105

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**SDS-PAGE**



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