

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

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

SPECIFICATION

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

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

GENE INFORMATION

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

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