

# Recombinant Full Length Human HBQ1 Protein, GST-tagged

Cat. No. HBQ1-3499HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human HBQ1 full-length ORF (AAH56686.1, 1 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	142 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	42.02 kDa
<b>AA Sequence</b>	MALSAEDRALVRALWKKLGSNVGVYTTTEALERTFLAFPATKTYFSHLDLSPGSSQVR AHGQKVADALSLAVERLDDLPHALSALSHLHACQLRVDPASFQLLGHCLLVTLARHY PGDFSPALQASLDKFLSHVISALVSEYR
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	HBQ1 hemoglobin, theta 1 [ Homo sapiens ]
<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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