

Product datasheet for **AR51054PU-N**

Hemoglobin theta-1 chain (1-142, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Hemoglobin theta-1 chain (1-142, His-tag) human protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMALSAED RALVRALWKK LGSNMGVYTT EALERTFLAF PATKTYFSHL DLSPGSSQVR AHGQKVADAL SLAVERLDDL PHALSALSHL HACQLRVDPA SFQLLGHCLL VTLARHYPGD FSPALQASLD KFLSHVISAL VSEYR
Tag:	His-tag
Predicted MW:	17.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_005322
Locus ID:	3049
UniProt ID:	P09105 , A0A1K0GUV5
Cytogenetics:	16p13.3
Synonyms:	HBQ



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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: