

Recombinant Human HBM protein, His & T7-tagged

Cat. No. HBM-7900H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HBM aa. (Val13~Arg141 (Accession # Q6B0K9)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val13~Arg141
Description	The human alpha globin gene cluster located on chromosome 16 spans about 30 kb and includes seven loci: 5'- zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta - 3'. This gene has an ORF encoding a 141 aa polypeptide which is similar to the delta globins found in reptiles and birds. This locus was originally described as a pseudogene; however, it is currently thought to be a protein-coding gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.1kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

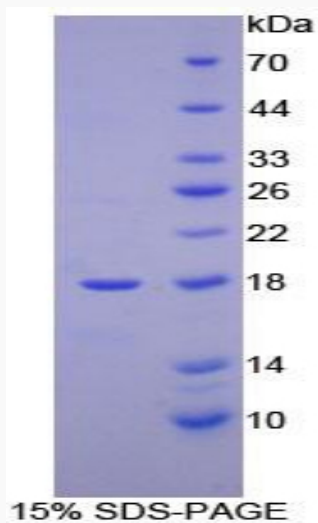
Gene Name	HBM hemoglobin subunit mu [Homo sapiens (human)]
Official Symbol	HBM
Synonyms	HBK; HBAP2; alpha globin pseudogene 2; hemoglobin mu chain; hemoglobin, alpha pseudogene 2; hemoglobin, mu; mu-globin; hemoglobin subunit mu
Gene ID	3042
mRNA Refseq	NM_001003938.3
Protein Refseq	NP_001003938.1
UniProt ID	Q6B0K9

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SDS-PAGE



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