

Recombinant Human HBM, GST-tagged

Cat. No. HBM-13684H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HBM protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-141a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	HBM hemoglobin, mu [Homo sapiens]
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Official Symbol	HBM
Synonyms	hemoglobin, mu; 4826; Ensembl:ENSG00000206177; hemoglobin subunit mu;mu-globin;hemoglobin mu chain;alpha globin pseudogene 2;hemoglobin, alpha pseudogene 2; HBAP2
Gene ID	3042
mRNA Refseq	NM_001003938.3
Protein Refseq	NP_001003938.1
MIM	609639
UniProt ID	Q6B0K9
Chromosome Location	16p13.3
Function	heme binding; iron ion binding; oxygen binding; oxygen transporter activity;

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