

Recombinant Mouse Hbb-bt Protein, Full Length, C-Myc/DDK tagged

Cat. No. Hbb-bt-14MFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse hemoglobin, beta adult major chain (Hbb-b1), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
ProteinLength	Full Length
Description	This gene encodes a beta polypeptide chain found in adult hemoglobin, which consists of a tetramer of two alpha chains and two beta chains, and which functions in the transport of oxygen to various peripheral tissues. This gene is one of a cluster of beta-hemoglobin genes that are distally regulated by a locus control region, and which are organized along the chromosome in the order of their developmental expression. In mouse, two major strain-specific haplotypes of the beta-globin gene cluster are found - a "single" haplotype found in C57BL/-type strains, which includes two highly similar adult beta-globin genes, beta s and beta t, and a "diffuse" haplotype found in strains such as BALB/c and 129Sv, which includes two somewhat diverse adult beta-globin genes, beta-major and beta-minor. This gene represents the beta t adult gene found in the "single" haplotype. Primary chromosome 7 of the mouse reference genome assembly, which is derived from C57BL/6 strain mice, represents the "single" haplotype, while the "diffuse" haplotype is represented in the reference genome collection by the BALB/c strain alternate contig, NT_095534.1. [provided by

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	RefSeq, May 2013]
Molecular Mass	16.2 kDa
AA Sequence	MVHLTDAEKAAVSGLWGKVNADGVGGEALGRLLVVYPWTQRYFDSFGDLSSASAI MGNKVKAHGKKVITAFNDGLNHLDSLKGTFAVSLHCDKLHVDPENFRLLGNMIV IVLGHHLGKDFTPAAQAAFQKVVAGVAAALAHKYHTRTRPLEQKLISEEDLAANDILD YKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Concentration	> 0.05 µg/µL as determined by microplate BCA method
Storage Buffer	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

GENE INFORMATION

Gene Name	Hbb-bt hemoglobin, beta adult t chain [Mus musculus (house mouse)]
Official Symbol	Hbb-bt
Synonyms	Hbb-bt; hemoglobin, beta adult t chain; Beta-t; hemoglobin, beta adult t chain; beta t

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Gene ID 101488143

mRNA Refseq NM_008220

Protein Refseq NP_032246

UniProt ID A8DUK4

SDS-PAGE



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