

Recombinant Mouse Hbb-b2 overexpression lysate

Cat. No. Hbb-b2-01HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant mouse Hbb HEK293T cell transient overexpression lysate (as WB positive control) with a C-Myc/DDK tag was expressed in HEK293T.

Preparation: HEK293T cells in 10-cm dishes were transiently transfected. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix, 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit. To facilitate transportation and protein, the products are supplied as lyophilized proteins.

Components: 1 vial of 20 µg lyophilized gene specific transient over-expression cell lysate

Species

Mouse

Source

HEK293

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

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adult beta-globin genes, beta-major and beta-minor. This gene represents the beta-minor adult gene found in the "diffuse" 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.

Molecular Mass	15.8 kDa
Stability	Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles after reconstitution.
Storage	Upon receiving, store the sample at -20 centigrade.
Reconstitution	Lysate samples can be reconstituted with SDS Sample Buffer. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.
Shipping	The lysate can be shipped at ambient temperature.

GENE INFORMATION

Gene Name	Hbb-b2 hemoglobin, beta adult minor chain [<i>Mus musculus</i> (house mouse)]
Official Symbol	Hbb-b2
Synonyms	Hbb-b2; hemoglobin, beta adult minor chain; Hbb2; Hbbt2; beta2; AI036344; hemoglobin subunit beta-2; beta min; beta minor globin
Gene ID	15130
mRNA Refseq	NM_016956

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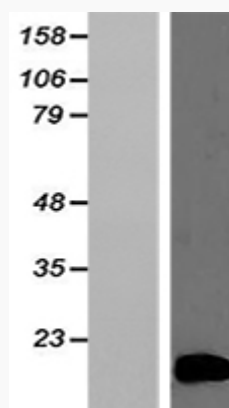
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Protein Refseq NP_058652

UniProt ID P02089

SDS-PAGE



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