

Product datasheet for PH303258

HBA-T2 (HBB) (NM_000518) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HBB MS Standard C13 and N15-labeled recombinant protein (NP_000509)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203258
Predicted MW:	16 kDa
Protein Sequence:	>RC203258 protein sequence Red=Cloning site Green=Tags(s) MVHLTPEEKSAVTALWGKVNVDVEVGGEALGRLLVYYPWTRQRFESFGDLSTPDAVMGNPKVKAHGKKVLGAFSDGLAHLADNLKGTFFATLSELHCDKLVHPENFRLLGNVLVLCVLAHFGKEFTPPVQAAAYQKVVAGVANALAHKYH TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000509</u>
RefSeq Size:	626
RefSeq ORF:	441
Synonyms:	beta-globin; CD113t-C; ECYT6
Locus ID:	3043
UniProt ID:	<u>P68871</u> , <u>D9YZU5</u>

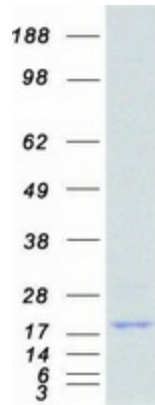


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Cytogenetics: 11p15.4

Summary: The alpha (HBA) and beta (HBB) loci determine the structure of the 2 types of polypeptide chains in adult hemoglobin, Hb A. The normal adult hemoglobin tetramer consists of two alpha chains and two beta chains. Mutant beta globin causes sickle cell anemia. Absence of beta chain causes beta-zero-thalassemia. Reduced amounts of detectable beta globin causes beta-plus-thalassemia. The order of the genes in the beta-globin cluster is 5'-epsilon -- gamma-G -- gamma-A -- delta -- beta--3'. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified HBB protein (Cat# [TP303258]). The protein was produced from HEK293T cells transfected with HBB cDNA clone (Cat# [RC203258]) using MegaTran 2.0 (Cat# [TT210002]).