

Product datasheet for PH303742

HBA2 (NM_000517) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HBA2 MS Standard C13 and N15-labeled recombinant protein (NP_000508)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203742
Predicted MW:	15.3 kDa
Protein Sequence:	>RC203742 protein sequence Red=Cloning site Green=Tags(s) MVLSPADKTNVKAAGWKVGAHAGEYGAELERMFLSFPTTKTYFPHFDLSHGSAQVKGHGKVKVADALTNA VAHVDDMPNALSALSDLHAHKL RVPVNFKLLSHCLLVTLAAHLPAEFTPAVHASLDKFLASVSTVLTISK YR 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_000508</u>
RefSeq Size:	622
RefSeq ORF:	426
Synonyms:	ECYT7; HBA-T2; HBH
Locus ID:	3040
UniProt ID:	<u>P69905</u> , <u>D1MGQ2</u>

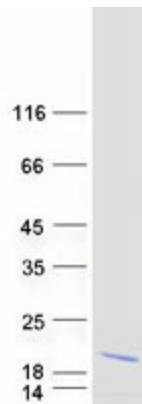


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Cytogenetics: 16p13.3

Summary: 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'. The alpha-2 (HBA2) and alpha-1 (HBA1) coding sequences are identical. These genes differ slightly over the 5' untranslated regions and the introns, but they differ significantly over the 3' untranslated regions. Two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin; alpha chains combine with delta chains to constitute HbA-2, which with HbF (fetal hemoglobin) makes up the remaining 3% of adult hemoglobin. Alpha thalassemias result from deletions of each of the alpha genes as well as deletions of both HBA2 and HBA1; some nondeletion alpha thalassemias have also been reported. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified HBA2 protein (Cat# [TP303742]). The protein was produced from HEK293T cells transfected with HBA2 cDNA clone (Cat# [RC203742]) using MegaTran 2.0 (Cat# [TT210002]).