

Product datasheet for **TP303258L**

HBA-T2 (HBB) (NM_000518) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human hemoglobin, beta (HBB), 1 mg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC203258 protein sequence
Red=Cloning site **Green**=Tags(s)

MVHLTPEEKSAVTALWGKVNVDVGGGALGRLLVYPWTQRFFESFGDLSTPDAVMGNPKVKAHGKKVLG
AFSDGLAHLDNLKGTFATLSELHCDKLHVDPENFRLLGNVLVCVLAHHFGKEFTPPVQAAYQKVVAGVAN
ALAHKYH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 15.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_000509](#)

Locus ID: 3043

UniProt ID: [P68871](#), [D9YZU5](#)

RefSeq Size: 626



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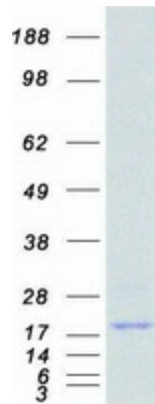
Cytogenetics: 11p15.4

RefSeq ORF: 441

Synonyms: beta-globin; CD113t-C; ECT6

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]).