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32-3941: HBG2 Recombinant Protein

Alternative Name : TNCY,Hemoglobin subunit gamma-2,Gamma-2-globin,Hb F Ggamma,Hemoglobin gamma-2 chain,Hemoglobin gamma-G chain.

Description

Source : Escherichia Coli. HBG2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 170 amino acids (1-147 a.a.) and having a molecular mass of 18.5kDa.HBG2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Hemoglobin subunit gamma-2 (HBG2), is a member of the globin family. HBG2 belongs to the fetal hemoglobin subunit, which comprised of two alpha chains organized with 2 gamma chains. HBG2 Amplified fetal hemoglobin production in adults and improve the clinical severity of sickle cell disease and beta-thalassemia major.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	HBG2 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl,20% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMGHFTEE DKATITSLWG KVNVEDAGGE TLGRLLVVYP WTQRFFDSFG NLSSASAIMG NPKVKAHGKK VLTSLGDAIK HLDDLKGTFA QLSELHCDKL HVDPENFKLL GNVLVTVLAI HFGKEFTPEV QASWQKMVTG VASALSSRYH.