

**HBG2, 1-147aa Human, His tag, E.coli**

**Cat.NO.: TP02410**

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3th Edition

**Synonyms:**Hemoglobin subunit gamma-2, TNCY

**Description:**Hemoglobin subunit gamma-2, also known as HBG2, belongs to the fetal hemoglobin subunit, which consists of two alpha chains together with two gamma chains. Increased fetal hemoglobin production in adults can ameliorate the clinical severity of sickle cell disease and beta-thalassemia major. Recombinant human HBG2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

**Molecular Weight:**18.5 kDa (170aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMGHFTEEDKATITSLWGKVNVEDAGGETLGRLLVVYPWTQRFFDSFGNLSS  
ASAIMGNPKVKAHGKKVLTSLGDAIKHLDDLKGTFAQLSELHCDKLHVDPENFKLLGNVLVTVLAIHFGKEFTPEVQA  
SWQKMVTGVASALSSRYH

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.