

Hemoglobin Theta 1 Human Recombinant

Item Number	rAP-3441
Synonyms	Hemoglobin Theta 1, Hemoglobin Theta-1 Chain, Hemoglobin Subunit Theta-1, Theta-1-globin.
Description	HBQ1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 165 amino acids (1-142) and having a molecular mass of 17.9kDa. HBQ1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P09105
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMALSAED RALVRALWKK LGSNVGVYTT EALERTFLAF PAT-KTYFSHL DLSPGSSQVR AHGQKVADAL SLAVERLDDL PHALSALSHL HACQLRVDPA SFQLLGHCL VTLARHYPGD FSPALQASLD KFLSHVISAL VSEYR
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	The HBQ1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**