9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HBQ1 Human

Hemoglobin Theta 1 Human Recombinant
RCP0999

Product Overview

Name	HBQ1 Human
Description	
Hemoglobin Theta 1 Human Recombinant	
Accession (Primary)	P09105
Synonyms	
Hemoglobin Theta 1, Hemoglobin Theta-1 Chain, Hemoglobin Subunit Theta-1, Theta-1-globin.	
Introduction	
HBQ1 is a member of the Hemoglobin family. Hemoglobin is a 66.7 kDa protein attached to four iron-binding, methenelinked tetrapyrrole rings (heme). The globin part of Hemoglobin contains 2 alpha chains and 2 beta chains organized as couples creating a tetramer. Every one of the 4 globin chains covalently connects with a heme group. The bonds between alpha and beta chains are frailer than between parallel globin chains, thus creating a cleavage plane which is vital for oxygen binding and release. Relaxation of the alpha1-beta2 cleavage plane results in high affinity for oxygen.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The HBQ1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MALSAED RALVRALWKK LGSNVGVYTT EALERTFLAF PATKTYFSHL DLSPGSSQVR AHGQKVADAL SLAVERLDDL PHALSALSHL HACQLRVDPA SFQLLGHCLL VTLARHYPGD FSPALQASLD KFLSHVISAL VSEYR	

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Precautions

HBQ1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P09105)