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

CRYBB1 Human

Crystallin Beta B1 Human Recombinant
RCP0546

Product Overview

Name	CRYBB1 Human
Description	
Crystallin Beta B1 Human Recombinant	
Accession (Primary)	P53674
Synonyms	
EC 1.17.4.1, RR2M, Beta-B1 crystallin, CATCN3.	
Introduction	
Crystallins are the main structural proteins of the vertebrate eye lens, where they maintain the transparency and refractive index of the lens. Crystallins are divided into 3 fprotein families, α, β, & γ families. Because lens central fiber cells lose their nuclei during development, these crystallins are prepared and then retained throughout life, making them extremely stable proteins. CRYBB1 is a beta basic group member and undergoes extensive cleavage at its N-terminal extension during lens maturation.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The CRYBB1 solution (1mg/ml) contains 20mM Tris-HCl pH-8, 1mM DTT & 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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MSQAAKASAS ATVAVNPGPD TKGKGAPPAG TSPSPGTTLA PTTVPITSAK AAELPPGNYR LVVFELENFQ GRRAEFSGEC SNLADRGFDR VRSIIVSAGP WVAFEQSNFR GEMFILEKGE YPRWNTWSSS YRSDRLMSFR PIKMDAQEHK ISLFEGANFK GNTIEIQGDD APSLWVYGFS DRVGSVKVSS GTWVGYQYPG YRGYQYLLEP GDFRHWNEWG AFQPQMQSLR RLRDKQWHLE GSFPVLATEP PK RSHHHHHH .	

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Precautions

CRYBB1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P53674)