9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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CRYGS Human

Crystallin, Gamma S Human Recombinant
RCP0551

Product Overview

Name	CRYGS Human
Description	
Crystallin, Gamma S Human Recombinant	
Accession (Primary)	P22914
Synonyms	
Crystallin gamma S, Gamma-crystallin S, CRYG8, crystallin, gamma 8, Beta-crystallin S.	
Introduction	
Mammalian crystallins which are water soluble structural proteins located in the vertebrate eye are classified in three forms, labeled alpha, beta and gamma. Crystallins, the primary components of the lens, raise the refractive index of the eye all through the accommodation by creating high-molecular weight aggregates that maintain transparency. CRYGS is a monomer that does not aggregate. CRYGS encodes the most substantial gamma-crystallin in adult eye lens tissue. Gamma-crystallins has a part in cataract formation due to aging or mutations in specific genes,	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The CRYGS solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl 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 95% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MSKTGT KITFYEDKNF QGRRYDCDCD CADFHTYLSR CNSIKVEGGT WAVYERPNFA GYMYILPQGE YPEYQRWMGL NDRLSSCRAV HLPSGGQYKI QIFEKGDFSG QMYETTEDCP SIMEQFHMRE IHSCKVLEGV WIFYELPNYR GRQYLLDKKE YRKPIDWGAA SPAVQSFRRI VE	
Precautions	

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

Target Information: (P22914)