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

CRYGD Mouse

Crystallin, Gamma D Mouse Recombinant
RCP0549

Product Overview

Name	CRYGD Mouse
Description	
Crystallin, Gamma D Mouse Recombinant	
Accession (Primary)	P04342
Synonyms	
Gamma-crystallin D, Gamma-D-crystallin , Gamma-crystallin 1, CRYGD.	
Introduction	
CRYGD is a member of the beta/gamma-crystallin family. Crystallins are the principal structural components of the vertebrate eye lens. The mammalian lens crystallins are divided into alpha, beta, and gamma families. Gamma-crystallins are involved in cataract formation. Defects in the CRYGD gene are responsible for cataract autosomal dominant (ADC), cataract congenital non-nuclear polymorphic autosomal dominant (CCP), cataract congenital cerulean type 3 (CCA3) and cataract crystalline aculeiform (CACA).	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
CRYGD protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 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 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MGKITFY EDRGFQGRHY ECSTDHSNLQ PYFSRCNSVR VDSGCWMLYE QPNFTGCQYF LRRGDYPDYQ QWMGFSDSVR SCRLIPHAGS HRIRLYEREE YRGQMIEFTE DCPSLQDRFH FNEIYSLNVL EGCWVLYDMT NYRGRQYLLR PGEYRRYHDW GAMNARVGSL RRVMDFY	
Precautions	

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CRYGD Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P04342)