

## 32-3608: CRYGD Recombinant Protein

**Alternative Name :** Gamma-crystallin D, Gamma-D-crystallin, Gamma-crystallin 4, CRYGD, CRYG4, CCP; CACA, CCA3, cry-g-D.

### Description

Source : Escherichia Coli. CRYGD Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 194 amino acids (1-174 a.a.) and having a molecular mass of 22.9kDa. CRYGD is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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).

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	CRYGD protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 10% glycerol and 200mM NaCl.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MGKITLYEDR GFQGRHYECS SDHPNLQPYL SRCNSARVDS GCWMLYEQPN YSGLQYFLRR GDYADHQQWM GLSDSVRSCR LIPHSGSHRI RLYEREDYRG QMIEFTEDCS CLQDRFRFNE IHSLNVLEGS WVLYELSNYR GRQYLLMPGD YRRYQDWGAT NARVGLRRV IDFS.

