

## 32-13171: CRYGD Mouse

**Alternative Name :** Gamma-crystallin D, Gamma-D-crystallin , Gamma-crystallin 1, CRYGD.

### Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

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).

CRYGD Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 197 amino acids (1-174 a.a.) and having a molecular mass of 23.5kDa. CRYGD is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

<b>Amount :</b>	5 µg / 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), 0.1M NaCl and 10% glycerol.
<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 SSGLVPRGSH MGSMGKITFY EDRGFQGRHY ECSTDHNLQ PYFSRCNSVR VDSGCWMLYE QPNFTGCQYF LRRGDYPDYQ QWMGFSDSVR SCRLIPHAGS HRIRLYEREE YRQMIEFTE DCPSLQDRFH FNEIYSLNVL EGCWVLYDMT NYRGRQYLLR PGEYRRYHDWGAMNARVGS RRVMDFY