

**CRYGD, 1-174aa, Human, His tag, E.coli**

**Cat.NO.: TP01727**

---

3th Edition

**Synonyms:**Gamma-crystallin D, CACA, CCA3, CCP, cry-g-D, CRYG4.

**Description:**CRYGD belongs to the beta/gamma-crystallin family. Crystallins are the dominant structural components of the vertebrate eye lens. Mammalian lens crystallins are divided into alpha, beta, and gamma families. Gamma-crystallins have been involved in cataract formation.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 10% glycerol, 200mM NaCl

**Molecular Weight:**22.9kDa (194aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGKITLYEDRGFQGRHYECSSDHPNLQPYL SRCNSARVDSGCWMLYEQPNYSG  
LQYFLRRGDYADHQWMLSDSVRSCRLIPHSGSHRIRLYEREDYRGQMIEFTEDCSCLQDRFRFNEIHSNLVLE  
GSWVLYELSNYRGRQYLLMPGDYRRYQDWGATNARVGLRRLRVIDFS

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by BCA)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.