

Crystallin, Gamma D Human Recombinant

Item Number	rAP-3103
Synonyms	Gamma-crystallin D, Gamma-D-crystallin, Gamma-crystallin 4, CRYGD, CRYG4, CCP; CACA, CCA3, cry-g-D.
Description	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.
Uniprot Accesion Number	P07320
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGKITYEDR GFQGRHYECS SDHPNLQPYL SRCNSARVDS GCWMLYEQPN YSGLQYFLRR GDYADHQWM GLSDSVRSCR LIPHSGSHRI RLYEREDYRG QMIEFTEDCS CLQDRFRFNE IHSLNVLEGS WVLYELSNYR GRQYLLMPGD YRRYQDWGAT NAR- VGSLRRV IDFS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	CRYGD protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 10% glycerol and 200mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**