

CRYGD recombinant protein

CRYGD, 1-174aa, Human, His tag, E Coli

CATALOG # AAA11809	HOST E Coli	APPLICATIONS SDS-Page
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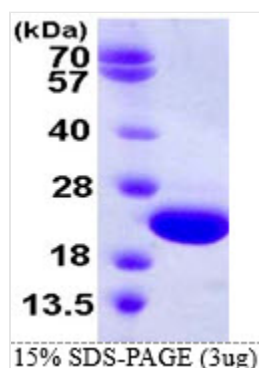
PRODUCT SYNONYMS

CRYGD; 1-174aa; Human; His tag; E Coli; Gamma-crystallin D; CACA; CCA3; CCP; cry-g-D; CRYG4; CRYGD recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 5mM DTT, 10% glycerol, 200mM NaCl
Concentration	1mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	1-174aa
Sequence	MGSSHHHHH SSSLVPRGSH MGKITLYEDR GFQGRHYECS SDHPNLQPYL SRCNSARVDS GCWMLYEQPN YSLQYFLRR GDYADHQWM GLSDSVRSCR LIPHSGSHRI RLYEREDYRG QMIEFTEDCS CLQDRFRFNE IHSLNVLEGS WVLVELSNYR GRQYLLMPGD YRRYQDWGAT NARVGLRRV IDFS
Applicable Applications for CRYGD recombinant protein	SDS-PAGE
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for CRYGD recombinant protein	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. Defects in CRYGD are a cause of cataract autosomal dominant (ADC), cataract congenital non-nuclear polymorphic autosomal dominant (CCP), cataract congenital cerulean type 3 (CCA3) and cataract crystalline aculeiform (CACA). Recombinant human CRYGD protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Product Categories/Family for CRYGD recombinant protein	Neuroscience
References	Pande A., et al. (2001) Proc. Natl. Acad. Sci. u.S.A. 98:6116-6120; Plotnikova O.V., et al. (2007) Am. J. Hum. Genet. 81:32-43

NCBI AND UNIPROT INFORMATION

NCBI GI #	13377002
NCBI GeneID	1421
NCBI Accession #	NP_008822
NCBI GenBank Nucleotide #	NM_006891.3
UniProt Accession #	P07320; Q17RF7; Q53R51; Q99681
Molecular Weight	22.9kDa (194a), confirmed by MALDI-TOF
NCBI Official Full Name	gamma-crystallin D
NCBI Official Synonym Full Names	crystallin gamma D
NCBI Official Symbol	CRYGD
NCBI Official Synonym Symbols	CCP; PCC; CACA; CCA3; CRYG4; CTRCT4; cry-g-D
NCBI Protein Information	gamma-crystallin D
UniProt Protein Name	Gamma-crystallin D
UniProt Gene Name	CRYGD
UniProt Synonym Gene Names	CRYG4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/crygd-recombinant-protein-e-coli-sds-page/11809>