

Recombinant Human Crystallin, Gamma N, His-tagged

Cat. No. CRYGN-6944H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CRYGN protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-182aa
Description	CRYGN belongs to the Crystallins family. Crystallins are divided into alpha, beta and gamma families, and the beta and gamma-crystallins also comprise a superfamily. Crystallins are the major proteins of the vertebrate eye lens, where they maintain the transparency and refractive index of the lens. The CRYGN is differentially regulated after early development, and are involved in cataract formation as a result of either age-related protein degradation or genetic mutation.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol.
Molecular Mass	23.1 kDa (206aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAQRSG KITLYEGKHF TGQKLEVFGE CDNFQDRGFM NRVNSIHVES GAWVCFNHPD FRGQQFILEH GDYPDFFRWN SHSDHMGSCR PVGMHGEHFR LEIFEGCNFT GQCLEFLEDS PFLQSRGWVK NCVNTIKVYG DGAAWSPRSF GAEDFQLSSS LQSDQGPEEA TTKPATTQPP FLTANL

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	CRYGN crystallin, gamma N [Homo sapiens]
Official Symbol	CRYGN
Synonyms	CRYGN; crystallin, gamma N; gamma-crystallin N; gammaN-crystallin; gamma-N-crystallin; Gamma-N-crystallin
Gene ID	155051
mRNA Refseq	NM_144727
Protein Refseq	NP_653328
MIM	609603
UniProt ID	Q8WXF5
Chromosome Location	7q36.1

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