

---

## Product Data Sheet

---

Product Name: CRYGN Human  
 Cat. No.: GP23241  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Gamma-crystallin N; Gamma-N-crystallin; CRYGN.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAQRSG KITLYEGKHF TGQKLEVFGD CDFNQDRGFM NRVNSIHVES GAWVCFNHPD FRGQQFILEH GDYPDFFRWN SHSDHMGSCR PVGMHGEHFR LEIFEGCNFT GQCLEFLEDS PFLQSRGWVK NCVNTIKVYG DGAAWSPRSF GAEDFQLSSS LQSDQGPEEA TTKPATTQPP FLTANL.		
Formulation	CRYGN protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

Crystallin gamma N (CRYGN) is a member of the Crystallins family. Crystallins are the main proteins of the vertebrate eye lens, where they preserve the transparency and refractive index of the lens. CRYGN is unique in the way that it has both beta and gamma crystallin protein motifs. The CRYGN is differentially controlled after early development, and is involved in cataract creation due to either age-related protein degradation or genetic mutation.

### Stability

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.

### Background

CRYGN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 206 amino acids (1-182 a.a) and having a molecular mass of 23.1kDa. CRYGN is fused to a 24 amino acid His-tag at N-terminus & purified by

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**