

32-3609: CRYGN Recombinant Protein

Alternative Name : Gamma-crystallin N, Gamma-N-crystallin, CRYGN.

Description

Source : E.coli. 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 proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	CRYGN protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHEMAQRSG KITLYEGKHF TGQKLEVFGD CDFNQDRGFM NRVNSIHVES GAWVCFNHPD FRGQQFILEH GDYPDFFRWN SHSDHMGSCR PVGMHGEHFR LEIFEGCNFT GQCLEFLEDS PFLQSRGWVK NCVNTIKVYG DGAAWSRPSF GAEDFQLSSS LQSDQGPEEA TTKPATTQPP FLTANL.

