

CRYGS, 1-178aa, Human, His tag, E.coli

Cat.NO.: TP01729

3th Edition

Synonyms: Beta-crystallin S, CRYG8.

Description: Crystallins are water soluble structural proteins found in the vertebrate eye. Mammalian crystallins are classified in three forms, designated alpha, beta and gamma. Crystallins, as the principal components of the lens, function to increase the refractive index of the eye during accommodation by forming high-molecular weight aggregates which maintain transparency.

Form: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

Molecular Weight: 23.6 kDa (202aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMSKTGKITFYEDKNFQGRRYDCDCDCADFHTYLSRCNSIKVEGGTWAVY
ERP NFAGYMYILPQGEYPEYQRWMGLNDR LSSCRAVHLPSGGQYKIQIFEKGDFSGQMYETTEDCPSIMEQFHMR
EIH SCKVLEGVWIFYELPNYRGRQYLLDKKEYRKPIDWGAASPAVQSFR RIVE

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by BCA)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.