

**CRYAA(Crystallin ? A), Human, Recombinant, E.coli**

**Cat.NO.: TP01722**

3th Edition

**Synonyms:**CRYA1, HSPB4

**Description:**Alpha crystallins are composed of two gene products; alpha-A and alpha-B, for acidic and basic, respectively. Alpha crystallins can be induced by heat shock and are members of the small heat shock protein(sHSP also known as the HSP20).

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 50 mM NaCl, 1 mM EDTA

**Molecular Weight:**19.9kDa (173aa)

**Sequences:**

MDVTIQHPWFKRTLGPFPYPSRLFDQFFGEGLEFYDLLPFLSSTISPYRQSLFRTVLDSGISEVRSRDKFVIFLDVK  
HFSPEDLTVKVQDDFVEIHGKHNERQDDHGYISREFHRRYRLPSNVDQSALSCSLSDGMLTFCGPKIQTGLDATH  
AERAIPVSREEKPTSAPSS

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**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.