

CRYBB1, 1-252aa, Human, His tag, E.coli

Cat.NO.: TP01725

3th Edition

Synonyms: Beta-crystallin B1, CATCN3.

Description: Crystallins are the major structural proteins of the vertebrate eye lens, where they maintain the transparency and refractive index of the lens. Crystallins are divided into α , β , and γ families. Since lens central fiber cells lose their nuclei during development, these crystallins are made and then retained throughout life, making them extremely stable proteins.

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

Molecular Weight: 29.1 kDa (260aa) confirmed by MALDI-TOF

Sequences:

MSQAAKASASATVAVNPGPDTKGKGAPPAGTSPSPGTTLAPTTVPITSAKAAELPPGNYRLVVFELNFQGRRAEF
SGECSNLADRGFDRVRSIIVSAGPWVAFEQSNFRGEMFILEKGEYPRWNTWSSSYRSDRLMSFRPIKMDAQEHKI
SLFEGANFKGNTIEIQGDDAPSLWVYGFSRVSVKVSSGTWVGYYQYPGYRGYQYLLEPGDFRHWNEWGAFQP
QMQLRRLRDKQWHLEGSFPVLATEPPKRSHHHHHH

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.