Recombinant Rat Crybb2 Protein, His-tagged

Cat. No. Crybb2-853R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Crybb2 Protein (Pro17-Arg191) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Pro17-Arg191
Description	Predicted to enable identical protein binding activity. Predicted to be a structural constituent of eye lens. Involved in camera-type eye development. Human ortholog(s) of this gene implicated in cataract and cataract 3 multiple types. Orthologous to human CRYBB2 (crystallin beta B2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.3 kDa; Accurate Molecular Mass: 23 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

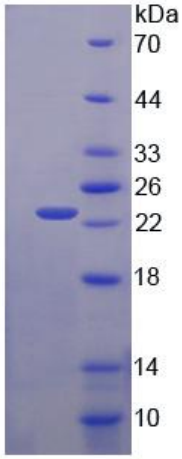
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Crybb2 crystallin, beta B2 [Rattus norvegicus (Norway rat)]
Official Symbol	Crybb2
Synonyms	CRYBB2; crystallin, beta B2; beta-crystallin B2; beta-B2 crystallin; beta-crystallin Bp; R.norvegicus CRYBB2 gene (crystallin, beta B2);
Gene ID	25422
mRNA Refseq	NM_012937
Protein Refseq	NP_037069
UniProt ID	P62697

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15% SDS-PAGE

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