

Recombinant Rat Crybb1 protein, His-tagged

Cat. No. Crybb1-1446R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Crybb1 aa. (Pro17~Arg191 fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Pro17~Arg191
Description	Mutation of the human homolog is associated with a form of autosomal dominant cataract.
Form	Freeze-dried powder
Molecular Mass	21kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.

Reconstitution Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name Crybb1 crystallin, beta B1 [*Rattus norvegicus* (Norway rat)]

Official Symbol Crybb1

Synonyms Crybb1; crystallin, beta B1; CRYB1; CRYB11; beta-crystallin B1; beta-B1 crystallin

Gene ID 25421

mRNA Refseq NM_012936.2

Protein Refseq NP_037068.2

UniProt ID P02523

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