

Recombinant Human CRYBB1 protein, His-tagged

Cat. No. CRYBB1-11601H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRYBB1 protein(1-252 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-252 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MSQAAKASASATVAVNPGPDTKGKGAPPAGTSPSPGTTLAPTTVPITSAKAAELPPG NYRLVVFELNFQGRRAEFSGECSNLADRGFDRVRSIIVSAGPWVAFEQSNFRGEM FILEKGEYPRWNTWSSSYRSDRLMSFRPIKMDAQEHKISLFEGANFKGNTIEIQGDD APSLWVYGFSDRVGSVKVSSGTWVGYYQYPGYRGYQYLLEPGDFRHWNEWGAFQ PQMQLRRLRDKQWHLEGSFPVLATEPPK
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	CRYBB1 crystallin, beta B1 [Homo sapiens]
Official Symbol	CRYBB1
Synonyms	CRYBB1; crystallin, beta B1; beta-crystallin B1; beta-B1 crystallin; eye lens structural protein; CATCN3;
Gene ID	1414
mRNA Refseq	NM_001887
Protein Refseq	NP_001878
UniProt ID	P53674

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