Recombinant Human CRYAA protein, His-tagged

Cat. No. CRYAA-7876H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRYAA protein(115-173 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	115-173 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na_2HPO_4, 17 mM NaH_2PO_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	HRRYRLPSNVDQSALSCSLSADGMLTFCGPKIQTGLDATHAERAIPVSREEKPTSAPSS
Purity	85%, by SDS-PAGE.
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.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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GENE INFORMATION

Gene Name	CRYAA crystallin, alpha A [Homo sapiens]
Official Symbol	CRYAA
Synonyms	CRYAA; crystallin, alpha A; CRYA1; alpha-crystallin A chain; HSPB4; crystallin, alpha-1; heat shock protein beta-4; human alphaA-crystallin (CRYA1);
mRNA Refseq	NM_000394
Protein Refseq	NP_000385
UniProt ID	P02489
Gene ID	1409
SDS-PAGE	

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