

Recombinant Human CRYAA protein, GST-tagged

Cat. No. CRYAA-7877H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRYAA protein(115-173 aa), fused with N-terminal GST 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 ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). 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 100 mM reduced glutathione (GSH).
AASequence	HRRYRLPSNVDQSALSCSLSadGMLTFCGPKIQTGLDATHAERAIPVSREEKPTSAPSS
Purity	90%, 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

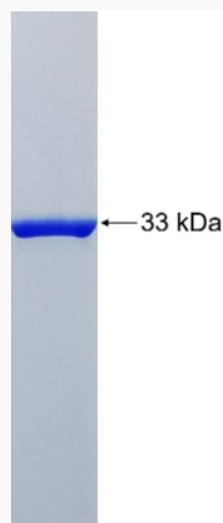
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0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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