

Recombinant Human CRYGS protein, His-tagged

Cat. No. CRYGS-11607H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRYGS protein(1-178 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-178 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	MSKTGKITFYEDKNFQGRRYDCDCDCADFHTYLSRCNSIKVEGGTWAVYERPNA GYMYILPQGEYPEYQRWMGLNDRLLSSCRAVHLPSGGQYKIQIFEKGDFSGQMYET TEDCPSIMEQFHMREIHSCKVLEGVWIFYELPNYRGRQYLLDKKEYRKPIDWGAASP AVQSFRRIVE
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	CRYGS crystallin, gamma S [Homo sapiens]
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Official Symbol	CRYGS
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Synonyms	CRYGS; crystallin, gamma S; CRYG8; beta-crystallin S; crystallin; gamma 8; gamma-S-crystallin; gamma-crystallin S; crystallin, gamma 8;
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Gene ID	1427
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mRNA Refseq	NM_017541
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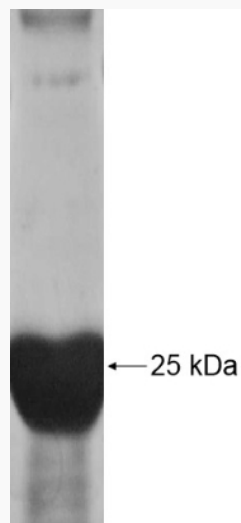
Protein Refseq	NP_060011
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UniProt ID	P22914
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SDS-PAGE

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