

Product Data Sheet

Recombinant Human CRYAB Protein

Catalog # Source Reactivity Application	Catalog #	Source	Reactivity	Applications
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CRP1353 E. coli Human E, WB, SDS-PAGE, MS

Description Recombinant Human CRYAB Protein is produced by our E.coli expression system and

the target gene encoding Met1-Lys175 is expressed with a 6His tag at the

C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Gene Symbol CRYAB

Alternative Names CRYA2; Alpha-crystallin B chain; Alpha(B)-crystallin; Heat shock protein beta-5;

HspB5; Renal carcinoma antigen NY-REN-27; Rosenthal fiber component

Entrez Gene 1410 (Human)

SwissProt P02511 (Human)

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Chemical Structure MDIAIHHPWI RRPFFPFHSP SRLFDQFFGE HLLESDLFPT STSLSPFYLR PPSFLRAPSW

FDTGLSEMRL EKDRFSVNLD VKHFSPEELK VKVLGDVIEV HGKHEERQDE HGFISREFHR

KYRIPADVDP LTITSSLSSD GVLTVNGPRK QVSGPERTIP ITREEKPAVT AAPKKLEHHH HHH

Quality Control Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not

recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the

lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize

freeze-thaw cycles.

Storage/Stability Lyophilized protein should be stored at -20°C, though stable at room temperature

for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

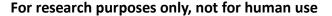
Aliquots of reconstituted samples are stable at -20°C for 3 months.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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