9051 Mira Mesa Blvd, #910094
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CRYAB Human

Crystallin Alpha B Human Recombinant
RCP0542

Product Overview

Name	CRYAB Human
Description	
Crystallin Alpha B Human Recombinant	
Accession (Primary)	P02511
Synonyms	
CRYA2, CTPP2, HSPB5, Crystallin Alpha B, CRYAB.	
Introduction	
Alpha crystallins are composed of two gene products ; alpha-A and alpha-B, for acidic and basic, respectively. Alpha crystallins can be induced by heat shock and are members of the small heat shock protein (sHSP also known as the HSP20). They act as molecular chaperones and hold them in in large soluble aggregates. These heterogeneous aggregates consist of 30-40 subunits; the alpha-A and alpha-B subunits have a 3:1 ratio, respectively. Two additional function of a-crystallins are an autokinase activity and participation in the intracellular architecture. Alpha-B is expressed widely in many tissues and organs and occurs in many neurological diseases.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The CRYAB protein (1mg/ml) solution contains 20mM Tris-HCl buffer pH-7.5, 50mM NaCl and 1mM EDTA.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MDIAIHHPWI RRPFFPFHSP SRLFDQFFGE HLLESDLFPT STSLSPFYLR PPSFLRAPSWFDTGLSEMRL EKDRFSVNLD VKHFSPEELK VKVLGDVIEV HGKHEERQDE HGFISREFHRKYRIPADVDP LTITSSLSSD GVLTVNGPRK QVSGPERTIP ITREEKPAVT AAPKK.	

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Precautions

CRYAB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02511)