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32-7103: Recombinant Human a B Crystallin Chain/CRYAB (C-6His)

Gene : CRYAB
Gene ID : 1410
Uniprot ID : P02511

Description

Source: E.coli.
MW :21.22kD.
Recombinant Human CRYAB 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. a Crystallin B Chain (CRYAB) is a cytoplasmic protein that belongs to the small heat shock protein (HSP20) family. 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) family. Alpha crystallins acts as molecular chaperones and hold them in in large soluble aggregates. CRYAB is expressed widely in many tissues and organs. It may contribute to the transparency and refractive index of the lens. The deficiency of CRYAB is the cause of myopathy myofibrillar type 2 (MFM2) and cataract posterior polar type 2 (CTPP2).

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	MDIAIHHPWIRRPFFPFHSPSRLFDQFFGEHLLESDLFPTSTSLSPFYLRPPSFLRAPSWFDTGLSEMRLEKDRFS VNLDVKHFSPEELKVKVLGDVIEVHGKHEERQDEHGFISREFHRKYRIPADVDPLTITSSLSSDGVLTVNGPRKQ VSGPERTIPITREEKPAVTAAPKKLEHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.