

Recombinant Human Alpha Crystallin B (CRYAB)

ORDERING INFORMATION

Catalog Number	Size
11073P-20	20ug
11073P-100	100ug
11073P-1000	1000ug

Formulation: Sterile-filtered colorless solution contains 20mM Tris-HCl, pH 7.5, 50mM NaCl and 1mM EDTA. Purified by proprietary chromatographic techniques.

BACKGROUND

Alpha crystallins are composed of two gene products: alpha-A (acidic) and alpha-B (basic). Alpha crystallins are induced by heat shock and are members of the small heat shock protein family. They act as molecular chaperones. In addition, alpha crystallins have autokinase activity and play a role in intracellular architecture. Alpha crystalline B is expressed in many tissues and is associated with many neurological diseases.

DESCRIPTION

Recombinant Human CRYAB produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 175 amino acids with a molecular weight of 20.2kDa.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

Purity: Greater than 95% as determined by SDS-PAGE and RP-HPLC.

Accession number: P02511

Amino Acid Sequence:

MDIAIHHPWI RRPFFPFHSP
SRLFDQFFGE HLLSDLFPT
STLSPFYLR
PPSFLRAPSWFDTGLSEMRL
EKDRFSVNLD VKHFSPEELK
VKVLGDVIEV HGKHEERQDE
HGFISREFHRKYRIPADVDP
LTITSSLSSD GVLTVNGPRK
QVSGPERTIP ITREEKPAVT AAPKK

STORAGE AND STABILITY

Store at 4°C if entire vial will be used within 2-4 weeks. Store at or below -20°C for longer periods of time. For long term storage, addition of a carrier protein (0.1% HSA or BSA) is recommended.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.