

## Recombinant Mouse Alpha Crystallin B (CRYAB Mouse)

### ORDERING INFORMATION

Catalog Number	Size
11073MP-5	5ug
11073MP-20	20ug
11073MP-1000	1000ug

**Formulation:** Sterile-filtered colorless solution contains 20mM Tris buffer, pH 8.0 and 10% glycerol. 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 crystallin B is expressed in many tissues and is associated with many neurological diseases.

### DESCRIPTION

Recombinant Mouse CRYAB produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 175 amino acids with a molecular weight of 20kDa.

### SPECIFICATION SUMMARY

**Source:** *Escherichia coli*

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

**Accession number:** P23927

**Amino Acid Sequence:**

MDIAIHHPWI RRPFFPFHSP SRLFDQFFGE  
HLLESDFST ATSLSPFYLR PPSFLRAPSW  
IDTGLSEMRL EKDRFSVNLD VKHFSPEELK  
VKVLGDVIEV HGKHEERQDE HGFISREFHR  
KYRIPADVDP LTITSSLSSD GVLTVNGPRK  
QVSGPERTIP ITREEKPAVA 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.*