

CRYBB1 Human

Description:CRYBB1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 260 amino acids (1-252 a.a.) and having a molecular mass of 29.1 kDa. The CRYBB1 is fused to 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Catalog #:HYPS-040

For research use only.

Synonyms:EC 1.17.4.1, RR2M, Beta-B1 crystallin, CATCN3.

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MSQAAKASAS ATAVNPGPD TKGKGAPPAG TSPSPGTTLA
PTTVPITSAK AAELPPGNRY LVVFELENFQ GRRAEFSGEC SNLADRGFDR VRSIIVSAGP
WVAFEQSNFR GEMFILEKGE YPRWNTWSSS YRSDRLMSFR PIKMDAQEHK ISLFEGANFK
GNTIEIQGDD APSLWVYGFS DRVGSVKVSS GTWVGYYQYPG YRGYQYLLEP GDFRHWNEWG
AFQPQMQLSLR RL

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

CRYBB1 Human solution containing 20mM Tris HCL pH-8, 1mM DTT, & 10% glycerol.

Stability:

CRYBB1 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.
Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Crystallins are the main structural proteins of the vertebrate eye lens, where they maintain the transparency and refractive index of the lens. Crystallins are divided into 3 protein families, α , β , & γ families. Because lens central fiber cells lose their nuclei during development, these crystallins are prepared and then retained throughout life, making them extremely stable proteins. CRYBB1 is a beta basic group member and undergoes extensive cleavage at its N-terminal extension during lens maturation.

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