Datasheet for ABIN6699733

CRYAA Protein (His tag)

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Overview

Quantity:	20 µg
Target:	CRYAA
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CRYAA protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	CRYAA recombinant protein-HIS Epitope
Purification:	Recombinant full length human CRYAA was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >95% by densitometry.
Purity:	>95%

Target Details

Target:	CRYAA
Alternative Name:	CRYAA (CRYAA Products)
Background:	Synonyms: CRYA1, HSPB4, Alpha-crystallin A chain, Heat shock protein beta-4, HspB4 Background: CRYAA or crystallin alpha A is the major protein components of the vertebrate eye lens which is composed of 2 primary gene products--alpha-A and alpha-B. CRYAA can be induced by heat shock and are members of the small heat shock protein (sHSP also known as

Target Details

	the HSP20) family (1). CRYAA plays an important role in the normal embryologic development of the anterior segment of the eye. In the Elo mouse, a 1-bp deletion in the gamma-E-crystallin gene causes autosomal dominant cataract and microphthalmia (2). CRYAA Protein is ideal for investigators involved in Signaling Proteins, Cell Stress & Chaperone Proteins, Cancer, Metabolic Disorder, and Neurobiology research.
NCBI Accession:	NM_000394
Pathways:	M Phase

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: CRYAA Protein is suitable for use in Western Blot. Expect a band approximately ~ 21 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	CRYAA Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months