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Product datasheet for AR51570PU-N

Zeta-crystallin (1-329, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Zeta-crystallin (1-329, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMATGQKL MRAVRVFEFG GPEVLKLRSD IAVPIPKDHQ VLIKVHACGV NPVETYIRSG TYSRKPLLPY TPGSDVAGVI EAVGDNASAF KKGDRVFTSS TISGGYAEYA LAADHTVYKL PEKLDFKQGA AIGIPYFTAY RALIHSACVK AGESVLVHGA SGGVGLAACQ IARAYGLKIL GTAGTEEGQK IVLQNGAHEV FNHREVNYID KIKKYVGEKG IDIIIEMLAN VNLSKDLSLL SHGGRVIVVG SRGTIEINPR DTMAKESSII GVTLFSSTKE EFQQYAAALQ AGMEIGWLKP VIGSQYPLEK VAEAHENIIH GSGATGKMIL LL
Tag:	His-tag
Predicted MW:	37.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CRYZ protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001123514
Locus ID:	1429
UniProt ID:	Q08257
Cytogenetics:	1p31.1

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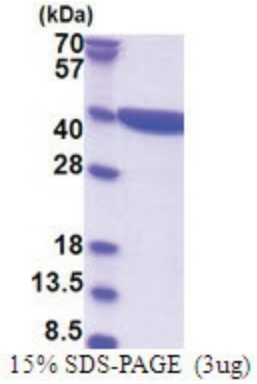
Summary: Crystallins are separated into two classes: taxon-specific, or enzyme, and ubiquitous. The latter class constitutes the major proteins of vertebrate eye lens and maintains the transparency and refractive index of the lens. The former class is also called phylogenetically-restricted crystallins. This gene encodes a taxon-specific crystallin protein which has NADPH-dependent quinone reductase activity distinct from other known quinone reductases. It lacks alcohol dehydrogenase activity although by similarity it is considered a member of the zinc-containing alcohol dehydrogenase family. Unlike other mammalian species, in humans, lens expression is low. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One pseudogene is known to exist. [provided by RefSeq, Sep 2008]

Protein Families: Druggable Genome

Product images:



15% SDS-PAGE (3ug)