

Recombinant Full Length Human CRYZ Protein, GST-tagged

Cat. No. CRYZ-2145HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CRYZ full-length ORF (NP_001880.2, 1 a.a. - 329 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	329 amino acids
Description	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]
Molecular Mass	61.6 kDa
AA Sequence	MATGQKLMRAVRVFEFGGPEVLKLRSDIAVPIPKDHQVLIKVHACGVNPNVETYIRSG TYSRKPLLPYTPGSDVAGVIEAVGDNASAFKKGDRVFTSSTISGGYAEYALAADHTV YKLPEKLDLFKQGAAGIPYFTAYRALIHSACVKAGESVLVHGASGGVGLAACQIARAY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GLKILGTAGTEEGQKIVLQNGAHEVFNHREVNYIDKIKKYVGEKGIDIIIEMLANVNLSK
 DLSLLSHGGRVIVVGSRGTIENPRDTMAKESSIIGVTLSSTKEEFQQYAAALQAGM
 EIGWLKPVIGSQYPLEKVAEAHENIIHGSGATGKMILL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

CRYZ crystallin, zeta (quinone reductase) [Homo sapiens]

Official Symbol

CRYZ

Synonyms

CRYZ; crystallin, zeta (quinone reductase); quinone oxidoreductase; NADPH:quinone reductase; FLJ41475; DKFZp779E0834

Gene ID

1429

mRNA Refseq

NM_001130042

Protein Refseq

NP_001123514

MIM

123691

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UniProt ID

Q08257

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