

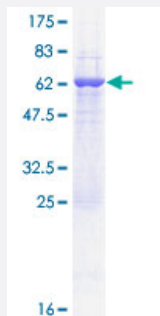
Full-Length

# CRYZ (Human) Recombinant Protein (P01)

Catalog # H00001429-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human CRYZ full-length ORF ( NP\_001880.2, 1 a.a. - 329 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MATGQKLMRAVRVFEFGGPEVLKLRSDIAVPIPKDHQVLKLVHACGVNPVETYRSGTYSRKPLLP  
YTPGSDVAGVIEAVGDNASAFKKGDRVFTSSTISGGYAEYALAADHTVYKLPEKLDFKQGAAGIPY  
FTAYRALIHSACVKAGESVLVHGASGGVGLAACQIARAYGLKILGTAGTEEGQKVLQNGAHEVFN  
HREVNIDKIKKYVGEKGIDIIIEMLANVNLSKDLSSLHGGRVIVGSRGTIEINPRDTMAKESSIIGVT  
LFSSTKEEFQQYAAALQAGMEIGWLKPVIGSQYPLEKVAEAHENIIHGSGATGKMILL

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

61.6

### Interspecies Antigen Sequence

Mouse (81); Rat (81)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

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

**Storage Instruction**

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

**Note**

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

## Applications

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

## Gene Info — CRYZ

**Entrez GeneID**[1429](#)**GeneBank Accession#**[NM\\_001889.2](#)**Protein Accession#**[NP\\_001880.2](#)**Gene Name**

CRYZ

**Gene Alias**

DKFZp779E0834, FLJ41475

**Gene Description**

crystallin, zeta (quinone reductase)

**Omim ID**[123691](#)**Gene Ontology**[Hyperlink](#)**Gene 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]

**Other Designations**

NADPH:quinone reductase|OTTHUMP00000011194|crystallin, zeta|quinone oxidoreductase

## Disease

- [Parkinson disease](#)