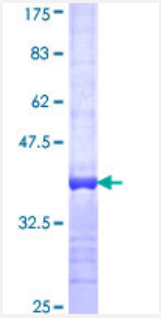
CRYZ (Human) Recombinant Protein (Q01)

Catalog # H00001429-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CRYZ partial ORF (NP_001880, 2 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ATGQKLMRAVRVFEFGGPEVLKLRSDIAVPIPKDHQVLIKVHACGVNPVETYIRSGTYSRKPLLPYTPGSDVAGVIEAVGDNASAFKKGDRVFTSSTIS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (84); Rat (85)
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
Protein Accession#	NP_001880
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