Recombinant Human CRYZ cell lysate

Cat. No. CRYZ-408HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	CRYZ crystallin, zeta (quinone reductase) [Homo sapiens]
Official Symbol	CRYZ

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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
UniProt ID	Q08257
Chromosome Location	1p31-p22
Function	NOT NADH binding; NADPH binding; NADPH:quinone reductase activity; RNA binding; mRNA 3-UTR binding; nucleotide binding; oxidoreductase activity; zinc ion binding;

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