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CRYZ Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21584b

Specification

CRYZ Blocking Peptide (C-term) - Product Information

Primary Accession Q08257

CRYZ Blocking Peptide (C-term) - Additional Information

Gene ID 1429

Other Names
Quinone oxidoreductase, NADPH:quinone reductase, Zeta-crystallin, CRYZ

Target/Specificity
The synthetic peptide sequence is selected from aa 248-262 of HUMAN CRYZ

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CRYZ Blocking Peptide (C-term) - Protein Information

Name CRYZ

Function
Does not have alcohol dehydrogenase activity. Binds NADP and acts through a one-electron transfer process. Orthoquinones, such as 1,2-naphthoquinone or 9,10-phenanthrenequinone, are the best substrates (in vitro). May act in the

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Does not have alcohol dehydrogenase activity. Binds NADP and acts through a one-electron transfer process. Orthoquinones, such as 1,2-naphthoquinone or 9,10-phenanthrenequinone, are the best substrates (in vitro). May act in the detoxification of xenobiotics. Interacts with (AU)-rich elements (ARE) in the 3'-UTR of target mRNA species. Enhances the stability of mRNA coding for BCL2. NADPH binding interferes with mRNA binding.

CRYZ Blocking Peptide (C-term) - References

Gonzalez P.,et al.Biochem. Biophys. Res. Commun. 191:902-907(1993).
Gonzalez P.,et al.Genomics 21:317-324(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).

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Cellular Location
Cytoplasm.

Tissue Location
Only very low amounts in the lens.

CRYZ Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides