
Product Data Sheet

Product Name: CRYZ Human
 Cat. No.: GP23244
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Quinone oxidoreductase; NADPH:quinone reductase; Zeta-crystallin; CRYZ; Quinone oxidoreductase isoform a; Crystallin; zeta (quinone reductase); Crystallin Zeta.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMATGQKL MRAVRVFEEFG GPEVLKLRSD IAVPIPKDHQ VLIKVHACGV NPVETYIRSG TYSRKPLLPY TPGSDVAGVI EAVGDNASAF KKGDRVFTSS TISGGYAEYA LAADHTVYKL PEKLDKQGA AIGIPYFTAY RALHSACVK AGESVLVHGA SGGVGLAACQ IARAYGLKIL GTAGTEEGQK IVLQNGAHEV FNHREVNYID KIKKYVGEKG IDIIIEMLAN VNLSKDLSSL SHGGRVIVVG SRGTIEINPR DTMAKESSII GVTLFSSTKE EFQYAAALQ AGMEIGWLKP VIGSQYPLEK VAEAHENIIH GSGATGKMIL LL.		
Formulation	CRYZ protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

Introduction

Crystallin Zeta, also known as CRYZ, Binds NADP and participates in a one-electron transfer process. CRYZ takes part in the detoxification of xenobiotics and Interacts with (AU)-rich elements (ARE) in the 3'-UTR of target mRNA species. CRYZ improves the mRNA coding for BCL2.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CRYZ Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 352 amino acids (1-329 a.a.) and having a molecular mass of 37.6kDa. CRYZ is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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