
Product Data Sheet

Product Name: CRYZL1 Human

Cat. No.: GP21496

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Quinone Oxidoreductase-like Protein 1; Quinone oxidoreductase homolog 1; Zeta-crystallin homolog; Protein 4P11; QOH-1; CRYZL1; 4P11.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MKGLYFQQSS TDEEITFVFQ EKEDLPVTE NFVKLQVKAC ALSQINTKLL AEMKMKKDLF PVGREIAGIV LDVGSKVSFF QPDDEVVIGIL PLDSEDPGLC EVVRVHEHYL VHKPEKVTWT EAAGSIRDGV RAYTALHYLS HLSPGKSVLI MDGASAFGTI AIQLAHHRGA KVISTACSLE DKQCLERFRP PIARVIDVSN GKVHVAESCL EETGGLGVDI VLDAGVRLYS KDDEPAVKLQ LLPHKHDIIT LLGVGGHWVT TEENLQLDPP DSHCLFLKGA TLAFLNDEVW NLSNVQQGKY LCILKDVMEK LSTGVFRPQL DEPIPLYEAK VSMEAVQKNQ GRKKQVVQF.		
Formulation	CRYZL1 solution containing 20mM Tris-HCl buffer (pH8.0), 2mM DTT, 0.1M NaCl and 20% glycerol.		

Introduction

Quinone Oxidoreductase (CRYZL1) is a protein that has sequence similarity to zeta crystalline. CRYZL1 has NADPH-dependent quinone reductase activity distinct from other known quinone reductases, and may have a role as a pH response element-binding protein. CRYZL1 contains an NAD(P)H binding site. CRYZL1 is expressed at different levels in the heart, brain, skeletal muscle, kidney, pancreas, liver and lung. CRYZL1 is present at low levels in human lens tissue.

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.

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

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Background

CRYZL1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 369 amino acids (1-349 a.a.) and having a molecular mass of 40.8 kDa. CRYZL1 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

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