

Product information



CRYZL1, 1-349 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0550

Full Name: Quinone oxidoreductase-like protein 1

NCBI Accession No.: NP_665857

Synonyms: 4P11, QOH-1

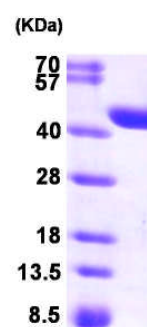
Description: CRYZL1, also known as quinone oxidoreductase, is a protein that has sequence similarity to zeta crystalline. This Protein is present at low levels in human lens tissue. It has NADPH-dependent quinone reductase activity distinct from other known quinone reductases, and may play a role as a pH response element-binding protein. CRYZL1 is expressed at various levels in heart, brain, skeletal muscle, kidney, pancreas, liver and lung. Recombinant human CRYZL1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 2mM DTT, 0.1M NaCl, 20% glycerol

Molecular Weight: 40.8 kDa (369aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MKGLYFQQSS TDEEITFVFQ EKEDLPVTEQ NFKVLQVKAC ALSQINTKLL AEMKMKKDLF PVGREIAGIV
LDVGSKVSFF QPDDEVVGI L PLDSEDPGLC EVVRVHEHYL VHKPEKVTWT EAAGSIRDGV RAYTALHYLS HLSPGKSVLI MDGASAFGTI
AIQLAHHRGA KVI STACSL E DKQCLERFRP PIARVIDVSN GKVHVAESCL EETGGLGVDI VLDAGVRLYS KDDEPAVKLQ LLPHKHDIIT
LLGVGGHWVT TEENLQLDPP DSHCLFLKGA TLAFLNDEWV NLSNVQQGKY LCILKDVMEK LSTGVFRPQL DEPIPLYEAK VSMEAVQKNQ
GRKKQVVQF

General references:

Cai SF., *et al.* (2009) *Molecules*. 14(8):2935-46.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Tauraite D., *et al.* (2009) *Chem Phys Lipids*. 159(1):45-50.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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