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CRYZL1 Human

Catalog #:ENPS-488

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Description: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.

Synonyms: Quinone Oxidoreductase-like Protein 1, Quinone oxidoreductase homolog 1, Zeta-crystallin homolog, Protein 4P11, QOH-1, CRYZL1, 4P11.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MKGLYFQQSS TDEEITFVFQ EKEDLPVTED NFVKLQVKAC ALSQINTKLL AEMKMKKDLF PVGREIAGIV LDVGSKVSFF QPDDEVVGIL PLDSEDPGLC EVVRVHEHYL VHKPEKVTWT EAAGSIRDGV RAYTALHYLS HLSPGKSVLI MDGASAFGTI AIQLAHHRGA KVISTACSLE DKQCLERFRP PIARVIDVSN GKVHVAESCL EE

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
CRYZL1 solution containing 20mM Tris-HCl buffer (pH8.0), 2mM DTT, 0.1M NaCl and 20% glycerol.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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