

**CRYZL1, 1-349aa, Human, His tag, E.coli**

**Cat.NO.: TP01733**

3th Edition

**Synonyms:**Quinone oxidoreductase-like protein 1, 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.

**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

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMKGLYFQQSSTDEEITFVFQEKEDLPVTEDNFVKLQVKACALSQINTKLLAEMKM  
KKDLFPVGREIAGIVLDVGSKVSFFQPDDEVVGILPLDSEDPGLCEVVRVHEHYLVHKPEKVTWTEAAGSIRDGVRA  
YTALHYLSHLSPGKSVLIMDGASAFGTIAIQLAHHRGAKVISTACSLQCLERFRPPIARVIDVSNGKVHVAESCLE  
ETGGLGVLDIVLDAGVRLYSKDDEPAVKLQLLPHKHDITLLGVGGHWVTTEENLQLDPPDSHCLFLKGATLAFLNDE  
VWNLSNVQQGKYLCILKDVMEKLSTGVFRPQLDEIPLYEAKVSMEAVQKNQGRKKQVVQF

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.