

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
KKDLFPVGREIAGIVLDVGSKVSFFQPDDEVVVGILPLDSEDPGLCEVVRVHEHYLVHKPEKVTWTEAAGSIRDGVRA
YTALHYLSHLSPGKSVLIMDGASAFGTIAIQLAHHRGAKVISTACSLQCLERFRPPIARVIDVSNGKVHVAESCLE
ETGGLGVDIVLDAGVRLYSKDDEPAVKLQLLPHKHDIIITLLGVGGHWVTTEENLQLDPPDSHCLFLKGATLAFNLDE
VWNLNSNVQQGKYLCILKDVMEKLSTGVFRPQLDEIPLYEAKVSMEAVQKNQGRKKQVVQF

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.