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CRYZ, 1-329aa, Human, His tag, E.coli

产品货号: TP01732

第三版

别名: Quinone oxidoreductase isoform a, Crystallin, zeta (quinone reductase)

描述: Crystallins are separated into two classes: taxon-specific, or enzyme, and ubiquitous. The latter class constitutes the major proteins of vertebrate eye lens and maintains the transparency and refractive index of the lens. The former class is also called phylogenetically-restricted crystallins. This gene encodes a taxon-specific crystallin protein which has NADPH-dependent quinone reductase activity distinct from other known quinone reductases. It lacks alcohol dehydrogenase activity although by similarity it is considered a member of the zinc-containing alcohol dehydrogenase family. Unlike other mammalian species, in humans, lens expression is low. Recombinant human CRYZ protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

分子量: 37.6 kDa (352aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMATGQKLMRAVRVFEFGGPEVLKLRSDIAVPIPKDHQVLIKVHACGVNPNVETIIRS
GTYSRKPLLPTPGSDVAGVIEAVGDNASAFKKGDRVFTSSTISGGYAEYALAADHTVYKLPEKLDKQGA AIGIPYFTAYR
ALIHSACVKAGESVLVHGASGGVGLAACQIARAYGLKILGTAGTEEGQKIVLQNGAHEVFNHREVNYIDKIKKYVGEKGI
DIIIEMLANVNLSKDL SLLSHGGRVIVVGSRG TIEINPRDTMAKESIIGVTLFSSTKEEFQQYAAALQAGMEIGWLKPVIGSQ
YPLEKVAEAHENIIHGSGATGKMILL

纯度: > 95% by HPLC

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

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.