

Crystallin Zeta Human Recombinant

Item Number	rAP-3101
Synonyms	Quinone oxidoreductase, NADPH:quinone reductase, Zeta-crystallin, CRYZ, Quinone oxidoreductase isoform a, Crystallin, zeta (quinone reductase), Crystallin Zeta.
Description	CRYZ Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 352 amino acids (1-329 a.a.) and having a molecular mass of 37.6kDa.CRYZ is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q08257
Amino Acid Sequence	MGSSHHHHH SSSLVPRGSH MGSMATGQKL MRAVRVFEFG GPEVLKLRSD IAVPIPKDHQ VLIK-VHACGV NPVETYIRSG TYSRKPLLPY TPGSDVAGVI EAVGDNASAF KKGDRVFTSS TISGGYAEYA LAADHTVYKL PEKLDKQGA AIGIPYFTAY RALIHSACVK AGESVLVHGA SGGVGLAACQ IARAYGLKIL GTAGTEEGQK IVLQNGAHEV FNHREVNID KIKKYVGEKG IDIIIEMLAN VNLSKDLSSL SHGGRVIVVG SRGTIEINPR DTMAKESSII GVTFLFSSTKE EFQQYAAALQ AGMEIGWLKP VIGSQYPLEK VAEAHENIIH GSGATGKMIL LL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	CRYZ protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**