Crystallin, Mu Human Recombinant

Item Number	rAP-3102
Synonyms	Crystallin Mu, Thiomorpholine-Carboxylate Dehydrogenase, THBP, NADP-Regulated Thyroid-Hormone Binding Protein, NADP-Regulated Thyroid-Hormone-Binding Protein, Mu-Crystallin Homolog, EC 1.5.1.25, DFNA40, CRYM.
Description	CRYM Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Ser2-Lys314) containing 322 amino acids including a 9 aa His tag at N-terminus. The total calculated molecular mass is 34.8kDa.
Uniprot Accesion Number	Q14894
Amino Acid Sequence	MKHHHHHHAS RVPAFLSAAE VEEHLRSSSL LIPPLETALA NFSSGPEGGV MQPVRTVVPV TKHRGYL-GVM PAYSAAEDAL TTKLVTFYED RGITSVVPSH QATVLLFEPS NGTLLAVMDG NVITAKRTAA VSAIAT-KFLK PPSSEVLCIL GAGVQAYSHY EIFTEQFSFK EVRIWNRTKE NAEKFADTVQ GEVRVCSSVQ EAVA-GADVII TVTLATEPIL FGEWVKPGAH INAVGASRPD WRELDDELMK EAVLYVDSQE AALKESGDVL LSGAEIFAEL GEVIKGVKPA HCEKTTVFKS LGMAVEDTVA AKLIYDSWSS GK.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	CRYM was filtered (0.4µm) and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl, pH 7.5. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add 200µl of deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. CRYM is not sterile! Please filter the product by an appropriate sterile filter before usin
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