9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CRYM Human

Crystallin, Mu Human Recombinant
RCP0552

Product Overview

Name	CRYM Human
Description	
Crystallin, Mu Human Recombinant	
Accession (Primary)	Q14894
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.	
Introduction	
Crystallin, Mu (CRYM) is a taxon-specific crystallin protein which binds NADPH and has sequence similarity to bacterial ornithine cyclodeaminases. CRYM doesn't perform a structural role in lens tissue; instead CRYM binds thyroid hormone for possible regulatory or developmental roles. CRYM gene mutations are linked with autosomal dominant non-syndromic deafness. CRYM specifically catalyzes the reduction of imine bonds in brain substrates which may include cystathionine ketamine and lanthionine ketamine.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The CYRM 1mg/ml solution containing 20mM Tris-HCl buffer (pH8.0), 1mM DTT, and 10% glycerol.	
Stability	
CRYM although stable at 4°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MSRVPAFLSA AEVEEHLRSS SLLIPPLETA LANFSSGPEG GVMQPVRTVV PVTKHRGYLG VMPAYSAAED ALTTKLVTFY EDRGITSVVP SHQATVLLFE PSNGTLLAVM DGNVITAKRT AAVSAIATKF LKPPSSEVLC ILGAGVQAYS HYEIFTEQFS FKEVRIWNRT KENAEKFADT VQGEVRVCSS	

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VQEAVAGADV IITVTLATEP ILFGEWVKPG AHINAVGASR PDWRELDDEL MKEAVLYVDS QEAALKESGD

VLLSGAEIFA ELGEVIKGVK PAHCEKTTVF KSLGMAVEDT VAAKLIYDSW SSGK

Precautions

CRYM Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q14894)