

Product datasheet for PH318123

mu Crystallin (CRYM) (NM_001888) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CRYM MS Standard C13 and N15-labeled recombinant protein (NP_001879)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218123
Predicted MW:	33.8 kDa
Protein Sequence:	>RC218123 protein sequence Red =Cloning site Green =Tags(s) MSRVPAFLSAAEVEEHLRSSLIPPLETALANFSSGPEGGMQPVRTVVPVTKHRGYLGMPAYSAED ALTTKLVTFYEDRGITSVVPHQATVLLFEPSTGTLAVMDGNVITAKRTAAVSAIATKFLKPPSSEVLC ILGAGVQAYSHYEIFTEQFSFKEVRIWNRTKENAEKFADTVQGEVRCSSVQEAVAGADVIITVTLATEP ILFGEWVKPGAHINAVGASRPDWRELDDELMKEAVLYVDSQEAAALKESGDVLLSGAEIFAELGEVIKGVK PAHCEKTTVFKSLGMAVEDTVAAKLIYDSWSSGK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001879</u>
RefSeq Size:	1559
RefSeq ORF:	942
Synonyms:	DFNA40; THBP
Locus ID:	1428



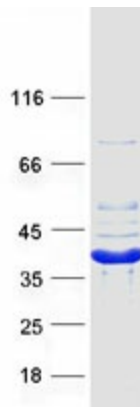
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UniProt ID: [Q14894](#)

Cytogenetics: 16p12.2

Summary: Crystallins are separated into two classes: taxon-specific and ubiquitous. The former class is also called phylogenetically-restricted crystallins. The latter class constitutes the major proteins of vertebrate eye lens and maintains the transparency and refractive index of the lens. This gene encodes a taxon-specific crystallin protein that binds NADPH and has sequence similarity to bacterial ornithine cyclodeaminases. The encoded protein does not perform a structural role in lens tissue, and instead it binds thyroid hormone for possible regulatory or developmental roles. Mutations in this gene have been associated with autosomal dominant non-syndromic deafness. [provided by RefSeq, Sep 2014]

Product images:



Coomassie blue staining of purified CRYM protein (Cat# [TP318123]). The protein was produced from HEK293T cells transfected with CRYM cDNA clone (Cat# [RC218123]) using MegaTran 2.0 (Cat# [TT210002]).