

AR09469PU-L

Human Mu-crystallin homolog (1-314, His-tag) - Purified

Alternate names:

CRYM, NADP-regulated thyroid-hormone-binding protein, THBP

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

Crystallin mu, also known as CRYM, is a member of the crystallin protein family. Crystallins are separated into two classes, taxon-specific and ubiquitous. This gene encodes a taxon-specific crystallin protein. The human CRYM gene maps to chromosome 16p13.11, and encodes a protein that is expressed in neural tissue, muscle, and kidney. Unlike other crystallins, CRYM does not perform a structural role in lens tissue, but rather it binds NADPH and thyroid hormone, which indicates that it may have other regulatory or developmental functions.

Uniprot ID:

[Q14894](#)

NCBI:

[NP_001879](#)

GeneID:

[1428](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS-PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

Description:

Recombinant human CRYM, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MSRVPAFLSA AEVEEHLRSS SLLIPPLETA LANFSSGPEG
GVMQPVRTVV PVTKHRGYLG VMPAYSAAED ALTTKLVTIFY EDGITSVVP SHQATVLLFE
PSNGTLLAVM DGNVITAKRT AAVSAIATKF LKPPSSEVLC ILGAGVQAYS HYEIFTEQFS
FKEVRIWNRT KENAEKFADT VQGEVRVCS VQEAAGADV IITVLTATEP ILFGWVKPG
AHINAVGASR PDWRELDDEL MKEAVLYVDS QEALKESGD VLLSGAEIFA ELGEVIKGVK
PAHCEKTTVF KSLGMAVEDT VAAKLIYDSW SSGK

Molecular weight: 35.9 kDa (334 aa), confirmed by MALDI-TOF

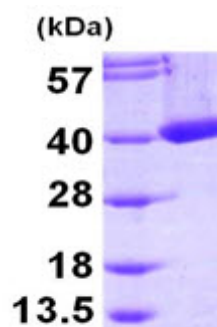
Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human CRYM, 1- 314 aa, His-tagged: 15% SDS-PAGE (3 ug)

