

CRYM recombinant protein

CRYM, 1-314aa, Human, His tag, E Coli

CATALOG # AAA48599	HOST E Coli	APPLICATIONS SDS-Page
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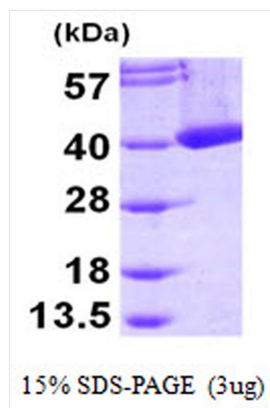
PRODUCT SYNONYMS

CRYM; 1-314aa; Human; His tag; E Coli; Crystallin mu; THBP; Crystallin mu CRYM; DFNA 40; DFNA40; Mu crystallin homolog; NADP regulated thyroid hormone binding protein; OTTHuMP00000115878.; CRYM recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MSRVPAFLSA AEVEEHLRSS SLLIPPLETA LANFSSGPEG GVMQPVRTVV PVTKHRGYLG VMPAYSAED ALTTKLVTFFY EDRGITSVVP SHQATVLLFE PSNGTLLAVM DGNVITAKRT AAVSAIATKF LKPPSSEVLC ILGAGVQAYS HYEIFTEQFS FKEVRIWNRT KENAEKFADT VQGEVRVCSS VQEAVAGADV IITVTLATEP ILFGEWVKPG AHINAVGASR PDWRELDDEL MKEAVLYVDS QEAALKESGD VLLSGAEIFA ELGEVIKGVK PAHCEKTTVF KSLGMAVEDT VAAKLIYDSW SSGK
Sequence Length	314
Applicable Applications for CRYM recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CRYM recombinant protein	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. Recombinant human CRYM, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CRYM recombinant protein	Neuroscience
References	Kim RY., et al. (1992). Proc Natl Acad Sci uSA. 89 (19):9292-6.; Muaders NW., et al. (1988) J Biol Chem. 263:15462-15466.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503065
NCBI GeneID	1428
NCBI Accession #	NP_001879
NCBI GenBank Nucleotide #	NM_001888.4
UniProt Accession #	Q14894; Q5HYB7; D5MNX0
Molecular Weight	35.9 kDa (334aa), confirmed by MALDI-TOF
NCBI Official Full Name	ketimine reductase mu-crystallin
NCBI Official Synonym Full Names	crystallin mu
NCBI Official Symbol	CRYM
NCBI Official Synonym Symbols	THBP; DFNA40
NCBI Protein Information	ketimine reductase mu-crystallin
UniProt Protein Name	Ketimine reductase mu-crystallin
UniProt Gene Name	CRYM
UniProt Synonym Gene Names	THBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/crym-recombinant-protein-e-coli-sds-page/48599>