mu-Crystallin Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Ketimine reductase mu-crystallin, NADP-regulated thyroid-hormone-binding protein, THBP, CRYM

Cat. No.:
RD172475100 (0.1 mg)

Description

Total 322 AA. MW: 34.8 kDa (calculated). UniProtKB acc.no. Q14894 (Ser2-Lys314). N-terminal his-tag (9 extra AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

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MKHHHHHHAS RVPAFLSAAE VEEHLRSSSL LIPPLETALA NFSSGPEGGV MQPVRTVVPV TKHRGYLGVM PAYSAAEDAL
TTKLVTFYED RGITSVVPSH QATVLLFEPS NGTLLAVMDG NVITAKRTAA VSAIATKFLK PPSSEVLCIL GAGVQAYSHY
EIFTEQFSFK EVRIWNRTKE NAEKFADTVQ GEVRVCSSVQ EAVAGADVII TVTLATEPIL FGEWVKPGAH INAVGASRPD
WRELDDELMK EAVLYVDSQE AALKESGDVL LSGAEIFAEL GEVIKGVKPA HCEKTTVFKS LGMAVEDTVA AKLIYDSWSS GK
```

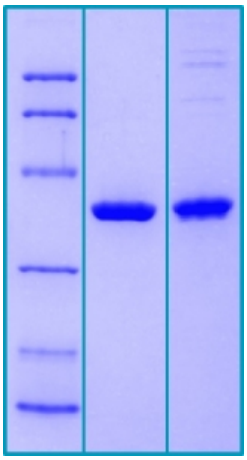
Source

E. coli

Purity

Purity as determined by densitometric image analysis: > 95 %

SDS-PAGE gel



12 % SDS-PAGE separation of Human Mu-Crystallin (E.coli):

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa

2. Reduced and boiled sample, 2.5 µg/lane

3. Non-reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/µg

Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in 20 mM Tris buffer, 50 mM NaCl, pH 7.5.

Reconstitution

Add 200 µl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store the protein at -80 °C. The protein remains stable until the expiry date when stored at -80 °C. Avoid repeated freezing/thawing cycles. The thawed protein can be stored at 4 °C for five days.

Quality Control Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.

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