

# Recombinant human 14-3-3 eta protein

Catalog Number: ATGP3347

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-246aa

**UniProt No.**

Q04917

**NCBI Accession No.**

NP\_003396

**Alternative Names**

YWHAH, YWHA1, tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein eta, Protein AS1

## PRODUCT SPECIFICATION

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**Molecular Weight**

28.2 kDa (246aa)

**Concentration**

1mg/ml (determined by absorbance at 280nm)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

**Purity**

&gt; 90% by SDS-PAGE

**Tag**

Non-Tagged

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**Description**

14-3-3 eta also as known as YWHAH. This protein belong to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. 14-3-3 eta interacts with and relocalizes the A20 zinc finger protein from the insoluble to the soluble fraction, suggesting a chaperone function. It implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binding to a large number of partners, usually by recognition of a phosphothreonine motif. Recombinant Human 14-3-3 eta was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

MGDREQLLQR ARLAEQAERY DDMSAMKAV TELNEPLSNE DRNLLSVAYK NVVGARRSSW RVISSIEQKT MADGNEKKLE  
KVKAYREKIE KELETVCNDV LSLLDKFLIK NCNDFQYESK VFYLMKMGDY YRYLAEVASG EKKNVVEAS EAAYKEAFEI  
SKEQMTPHP IRLGLALNFS VFYIEIQNAP EQACLLAKQA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDQQDE  
EAGEGN

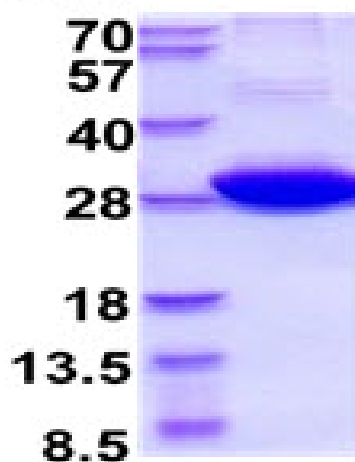
### General References

Maksymowych WP., et al. (2014) Arthritis Res Ther. 16(2): R99.  
Sato S., et al. (2002) J Biol Chem. 277: 39360-39367

## DATA

### SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)