

## Datasheet for ABIN6700776 **YWHAE Protein**



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### Overview

Quantity:	20 µg
Target:	YWHAE
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	Western Blotting (WB)

### Product Details

Purpose:	14-3-3 epsilon recombinant protein
Purification:	Recombinant full-length human tag-free 14-3-3ε was expressed in E. coli cells. The purity was determined to be >90% by densitometry.
Purity:	>90%

### Target Details

Target:	YWHAE
Alternative Name:	YWHAE ( <a href="#">YWHAE Products</a> )
Background:	Synonyms: 14-3-3 epsilon, YWHAE, MDS, MDCR, KCIP-1, 14-3-3E, FLJ45465 Background: 14-3-3ε also known as tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein is a member of the 14-3-3 family. 14-3-3ε has been reported to be involved in heat shock transcription factor 1 (HSF1) and extracellular signal regulated protein kinase (ERK) pathways (1). 14-3-3ε interaction with the deubiquitinating enzyme UBPY, also known as USP8,

## Target Details

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regulates cargo sorting and membrane traffic at early endosomes. Association of 14-3-3 $\epsilon$ , HSF1 with ERK during heat shock may modulate the amplitude of the response and control the termination of HSP expression on resumption of growth conditions (2). 14-3-3 $\epsilon$  protein is ideal for investigators involved in Cell Stress & Chaperone Proteins, Cell Signaling, Cancer research, Cell Cycle, Cellular Stress, Neurobiology, and WNT Signaling research.

NCBI Accession: [NM\\_006761](#)

Pathways: [Neurotrophin Signaling Pathway, Myometrial Relaxation and Contraction, M Phase](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: 14-3-3 $\epsilon$  Protein is suitable for use in Western Blot. Expect a band approximately ~30 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.2  $\mu\text{g}/\mu\text{L}$

Buffer: 14-3-3 $\epsilon$  Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months