

## Datasheet for 009-001-R26S

**14-3-3 epsilon protein****Overview**

<b>Description:</b>	14-3-3 epsilon recombinant protein - 009-001-R26S
<b>Item No.:</b>	009-001-R26S
<b>Size:</b>	20 µg
<b>Origin:</b>	Human
<b>Expressed in:</b>	E. coli

**Product Details**

<b>Background:</b>	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, regulates cargo sorting and membrane traffic at early endosomes. Association of 14-3-3ε, 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). 14-3-3ε protein is ideal for investigators involved in Cell Stress & Chaperone Proteins, Cell Signaling, Cancer research, Cell Cycle, Cellular Stress, Neurobiology, and WNT Signaling research.
<b>Synonyms:</b>	14-3-3 epsilon, YWHAE, MDS, MDCR, KCIP-1, 14-3-3E, FLJ45465
<b>Species of Origin:</b>	Human
<b>Expressed in:</b>	E. coli
<b>Type:</b>	Recombinant Protein

**Target Details**

<b>Gene Name:</b>	YWHAE
<b>Purity/Specificity:</b>	Recombinant full-length human tag-free 14-3-3ε was expressed in E. coli cells. The purity was determined to be >90% by densitometry.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">NCBI - NM_006761</a></li></ul>

## Application Details

<b>Application Note:</b>	14-3-3ε Protein is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. 14-3-3ε 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.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>WB:</b>	User Optimized

## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	0.2 µg/µL
<b>Buffer:</b>	See application note.

## Shipping & Handling

<b>Shipping Condition:</b>	Dry Ice
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Disclaimer

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