

Datasheet for 009-001-R25S**14-3-3 epsilon protein-GST fusion****Overview**

Description:	14-3-3 epsilon recombinant protein-GST fusion protein - 009-001-R25S
Item No.:	009-001-R25S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

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, 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.
Synonyms:	14-3-3 epsilon, YWHAE, MDS, MDCR, KCIP-1, 14-3-3E, FLJ45465
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	YWHAE
Purity/Specificity:	Recombinant full-length human 14-3-3ε was expressed in E.coli cells using an N-terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Relevant Links:	• NCBI - NM_006761

Application Details

Application Note:	14-3-3 ϵ Protein is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. 14-3-3 ϵ Protein is suitable for use in Western Blot. Expect a band approximately ~55 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 μ g/ μ L
Buffer:	See application note.

Shipping & Handling

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

Disclaimer

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