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+1 484.791.3823

Datasheet for 009-001-R26S

14-3-3 epsilon protein

Overview

Description:	14-3-3 epsilon recombinant protein - 009-001-R26S
Item No.:	009-001-R26S
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 tag-free 14-3-3ε was expressed in E. coli cells. The purity was determined to be >90% by densitometry.
Relevant Links:	• NCBI - NM_006761

Application Details

Application Note:	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.
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 µg/µL
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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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tech@rockland.com
+1 484.791.3823