

Datasheet for ABIN934946

14-3-3 gamma Protein (YWHAG1) (AA 1-247)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	14-3-3 gamma (YWHAG1)
Protein Characteristics:	AA 1-247
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MVDREQLVQK ARLAEQAERY DDMAAAMKNV TELNEPLSNE ERNLLSVAYK NVVGARRSSW RVISSIEQKT SADGNEKKIE MVRAYREKIE KELEAVCQDV LSLLDNYLIK NCSETQYESK VFYLMKMGDY YRYLAEVATG EKRAVVESS EKAYSEAHEI SKEHMQPHTP IRLGLALNYS VFYYEIQNAP EQACHLAKTA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDQQDD DGGEGNN
Characteristics:	Purified recombinant Human 14.3.3 gamma protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure
Endotoxin Level:	< 1.0 EU per µg of protein (determined by LAL method)

Target Details

Target:	14-3-3 gamma (YWHAG1)
Alternative Name:	14.3.3 gamma (YWHAG1 Products)
Background:	<p>The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, beta, gamma, epsilon, sigma, zeta, tau and eta that have been identified in mammals. The 14-3-3 gamma, a subtype of the 14-3-3 family of proteins, was thought to be brain and neuron-specific. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways. Recombinant human YWHAG was expressed in E. coli and purified by using conventional chromatography techniques.</p> <p>Alternative Names: 14.3.3 gamma, 14-3-3 gamma, gamma polypeptide 14 3 3 protein gamma protein, 14/3/3 gamma protein, KCIP 1 protein, Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein protein, 14 3 3gamma protein, KCIP1 protein, 14-3-3 gamma protein, Tyrosine 3-monooxygenase/ tryptophan 5-monooxygenase activation protein protein, Protein kinase C inhibitor protein 1 protein, 14 3 3 protein gamma subtype protein, Tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein gamma polypeptide., 3 monooxygenase/tryptophan 5 monooxygenase activation protein gamma polypeptide protein, 14-3-3 gamma protein, 14/3/3 gamma, gamma polypeptide protein, YWHAG protein</p>
Molecular Weight:	28 kDa (247 AA)
Pathways:	Myometrial Relaxation and Contraction, M Phase

Application Details

Application Notes:	14.3.3 gamma protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.
Restrictions:	For Research Use only

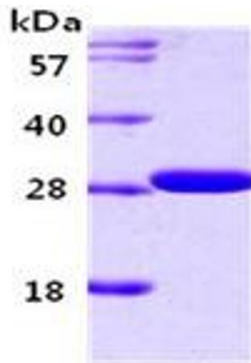
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Supplied as a liquid in 20 mM Tris, pH 7.4.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C

Handling

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.

Images



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.