
Product Data Sheet

Product Name: YWHAG Human
 Cat. No.: GP22657
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	14-3-3 protein gamma; Protein kinase C inhibitor protein 1; KCIP-1; YWHAG; Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein; gamma polypeptide.		
Amino Acid Sequence	MVDREQLVQK ARLAEQAERY DDMAAAMKNV TELNEPLSNE ERNLLSVAYK NVVGARRSSW RVISSIEQKT SADGNEKKIE MVRAYREKIE KELEAVCQDV LSLLDNYLIK NCSETQYESK VFYLMKMGDY YRYLAEVATG EKRA TVV E S S EKAYSEAHEI SKEHMQPTHP IRLGLALNYS VFYYEIQNAP EQACHLAKTA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDQQDD DGGEGNN.		
Formulation	YWHAG solution containing 20mM Tris 7.5.		

Introduction

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 that have been identified in mammals. The 14-3-3gamma, 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

YWHAG Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 247 amino acids (1-247) and having a molecular mass of

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28 kDa. YWHAG is purified by proprietary chromatographic techniques.

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