
Product Data Sheet

Product Name: YWHAB Human, His
 Cat. No.: GP22654
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	14-3-3 protein beta/alpha; Protein kinase C inhibitor protein 1; Protein 1054; YWHAB; HS1; GW128; KCIP-1; Tyr-3/Trp- 5 Monooxygenase Activation Protein Beta; 14-3-3 Beta.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMTMDKS ELVQKAKLAE QAERYDDMAA AMKAVTEQGH ELSNEERNLL SVAYKNVGA RRSSWRVISS IEQKTERNEK KQQMGKEYRE KIEAELQDIC NDVLELLDKY LIPNATQPES KVFYLMKMGD YFRYLSEVAS GDNKQTTVSN SQQAYQEAFE ISKKEMQPTH PIRLGLALNF SVFYEILNS PEKACSLAKT AFDEAIAELD TLNEESYKDS TLIMQLLRDN LTLWTSENQG DEGDAGEGEN.		
Formulation	The YWHAB solution (1mg/1ml) contains phosphate buffered Saline (pH7.4) and 10% glycerol.		

Introduction

YWHAB belongs to the 14-3-3 family of proteins which are in charge for signal transduction by binding to phosphoserine-containing proteins. YWHAB is found in both plants and mammals. YWHAB protein interacts with RAF1 and CDC25 phosphatases, thus linking mitogenic signaling and the cell cycle machinery. YWHAB is an adapter protein involved in the regulation of a large spectrum of both general and specialized signaling pathway. YWHAB binds to a large number of proteins by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.

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%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

YWHAB Human Recombinant produced in E. coli is a single polypeptide chain containing 270 amino acids (1-246) and having a molecular mass of 30.6kDa. YWHAB is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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