
Product Data Sheet

Product Name: YWHAB Human
 Cat. No.: GP22653
 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	MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHESLN EERNLLSVAY KNVVGARRSS WRVISSIEQK TERNEKKQQM GKEYREKIEA ELQDICNDVL ELLDKYLIPN ATQPESKVFY LKMKGDYFRY LSEVASGDNK QTTVSNSQQA YQEAFEISKK EMQPTHPIRL GLALNFSVFY YEILNSPEKA CSLAKTAFDE AIAELDTLNE ESYKDSTLIM QLLRDNLTLW TSENQGDEGD AGEGEN.		
Formulation	The YWHAB protein solution (1mg/ml) containing 20mM Tris-HCl pH-8, 1mM EDTA & 50mM NaCl.		

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

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

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Background

YWHAB Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 246 amino acids (1-246) and having a molecular mass of 28kDa. YWHAB is purified by proprietary chromatographic techniques.

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