

## YWHAB Human

**Description:**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 29 kDa. YWHAB is purified by proprietary chromatographic techniques.

Catalog #:PKPS-355

**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.

For research use only.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile filtered colorless solution.

**Amino Acid Sequence:**MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHELSN  
EERNLLSVAY KNVVGARRSS WRVISSIEQK TERNEKKQQM GKEYREKIEA ELQDICNDVL  
ELLDKYLIPN ATQPESKVFY LKMKGDYFRY LSEVASGDNK QTTVSNSQQA YQEAFFEISKK  
EMQPTHPIRL GLALNFSVFY YEILNSPEKA CSLAKTAFDE AIAELDTLNE ESYKDSTLIM  
QLLRDNLTLW TS

**Purity:**Greater than 90.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Formulation:**

YWHAB solution containing 20mM Tris pH-8, 1mM EDTA & 50mM NaCl.

**Stability:**

YWHAB Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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