

## 32-13014: YWHAB Human, His

**Alternative Name :** 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.

### Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

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.

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.

### Product Info

**Amount :** 1 µg / 5 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The YWHAB solution (1mg/1ml) contains phosphate buffered Saline (pH7.4) and 10% glycerol.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMTMDKS ELVQKAKLAE QAERYDDMAA AMKAVTEQGH  
ELSNEERNLL SVAYKNVVG A RRSSWRVISS IEQKTERNEK KQMGKEYRE KIEAELQDIC NDVLELLDKY  
LIPNATQPES KVFYLMKMGD YFRYLSEVAS GDNKQTTVSN SQQAYQEAFF ISKKEMQPTH PIRLGLALNF  
SVFYIEILNS PEKACSLAKT AFDEAIAELD TLNEESYKDS TLIMQLLRDN LTLWTSENQG DEGDAGEGEN.