

YWHAB, 1-246aa, Human, His-tag, E.coli

Cat.NO.: TP04524

3th Edition

Synonyms:14-3-3 protein beta/alpha, GW128, HEL-S-1, HS1, KCIP-1, YWHAA

Description:YWHAB, also known as 14-3-3 protein beta/alpha, is 14-3-3 family 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, γ , δ , ϵ , ζ , η , θ and ι that have been identified in mammals. The 14-3-3 beta, a subtype of the 14-3-3 proteins, was found in B Cells, brain and liver etc. This 14-3-3 beta has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Recombinant human YWHAB, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol

Molecular Weight:30.6 kDa (270aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMTMDKSELVQKAKLAEQAERYDDMAAAMKAVTEQGHLSNEERNLLSVA
YKNVVGARRSSWRVISSIEQKTERNEKKQMGKEYREKIEAELQDICNDVLELLDKYLIPNATQPESKVFYLMKMGD
YFRYLSEVASGDNKQTTVSNSQQAYQEAFEISKKEMQPHTPIRLGLALNFSVFYFEILNSPEKACSLAKTAFDEAIAE
LDTLNEESYKDSTLIMQLLRDNLTLWTSENQGDGEGEEN

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.