

## YWHAG Human

**Description:** YWHAG Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 247 amino acids (1-247) and having a molecular mass of 28 kDa. YWHAG is purified by proprietary chromatographic techniques.

**Catalog #:** PKPS-245

For research use only.

**Synonyms:** 14-3-3 protein gamma, Protein kinase C inhibitor protein 1, KCIP-1, YWHAG, Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide.

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MVDREQLVQK ARLAEQAERY DDMAAAMKNV TELNEPLSNE  
ERNLLSVAYK NVVGARRSSW RVISSIEQKT SADGNEKKIE MVRAYREKIE KELEAVCQDV  
LSLLDNYLIK NCSETQYESK VFYLMKMGDY YRYLAEVATG EKRA TVV ESKAYSEAHEI  
SKEHMQP THP IRLGLALNYS VFYYEIQNAP EQACHLAKTA FDDAIAELDT LNEDSYKDST  
LIMQLLRDNL TL

**Purity:** Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

YWHAG solution containing 20mM Tris 7.5.

**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.

**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:**

The 14-3-3 family of proteins 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 that have been identified in mammals. The 14-3-3gamma, a subtype of the 14-3-3 family of proteins, was thought to be brain and neuron-specific. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways.

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