

## 32-3141: YWHAZ Recombinant Protein

**Alternative Name :** YWHAZ, KCIP-1, MGC111427, MGC126532, MGC138156, 14-3-3 protein zeta/delta, Protein kinase C inhibitor protein 1, Tyr-3/Trp-5 Monooxygenase Activation Protein Zeta, 14-3-3 Zeta.

### Description

Source : Escherichia Coli. YWHAZ fused to His Tag on N-terminus Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 245 amino acids (1-245) and having a molecular mass of 32 kDa. YWHAZ is purified by proprietary chromatographic techniques. YWHAZ accession number NP\_663723 belongs to the 14-3-3 family of proteins which are in charge for checkpoint control, apoptotic & nutrient sensing pathways as well as signal transduction by binding to phosphoserine-containing proteins. The 14-3-3 protein family is found in both plants and mammals, and KCIP-1 protein is 99% identical to the mouse, rat and sheep orthologs. KCIP-1 interacts with IRS1 protein, signifying a role in regulating insulin. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least 7 isoforms and that have been identified in mammals. YWHAZ function as an adapter protein involved in the regulation of a large spectrum of both general and specialized signaling pathway. YWHAZ binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.  
**Content :** YWHAZ solution containing 1x PBS pH-7.  
**Storage condition :** YWHAZ Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMDK NELVQKAKLA EQAERYDDMA  
ACMKSVTEQG AELSNEERNL LSVAYKNVVG ARSSWRVVS SIEQKTEGAE KKQQMAREYR EKIETELRDI  
CNDVLSLLEK FLIPNASQAE SKVFYLMKMG DYRYLAEVA AGDDKKGIVD QSQQAYQEAF EISKEMQPT  
HPIRLGLALN FSVFYEILN SPEKACSLAK TAFDEAIAEL DTLSEESYKD STLIMQLLRD NLTWTSDTQ  
GDEAEAGEGG EN.

