
Product Data Sheet

Product Name: YWHAZ Human
 Cat. No.: GP22662
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | 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. | | |
| Amino Acid Sequence | MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMDK NELVQKAKLA EQAERYDDMA ACMKSVTEQG AELSNEERNL LSVAYKNVVG ARRSSWRVVS SIEQKTEGAE KKQQMAREYR EKIETELRDI CNDVLSLLEK FLIPNASQAE SKVFYLMKMG DYYRYLAEVA AGDDKKGIVD QSQQAYQAEF EISKKEMQPT HPIRLGLALN FSVFYEILN SPEKACSLAK TAFDEAIAEL DTLSEESYKD STLIMQLLRD NLTLWTSDTQ GDEAEAGEGG EN. | | |
| Formulation | YWHAZ solution containing 1xPBS pH-7. | | |

Introduction

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. 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.

Stability

YWHAZ Human Recombinant although stable at 4°C for 1 week, should be stored below -

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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18°C . Please prevent freeze thaw cycles.

Background

YWHAZ fused to His Tag at 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 32kDa. YWHAZ is purified by proprietary chromatographic techniques.

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