

Recombinant Human Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein, Zeta Polypeptide

Cat. No. YWHAZ-4901H **Lot. No.** (See product label)

SPECIFICATION

| | |
|--------------------------|--|
| Product Overview | Recombinant full-length human tag-free YWHAZ was expressed in E. coli cells. |
| Species | Human |
| Source | E.coli |
| Description | <p>YWHAZ (also known as tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide) is a member of the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. YWHAZ protein plays a key role in cancer biology by being an important regulator of major cellular processes such as proliferation, differentiation, senescence and apoptosis. YWHAZ protein has been shown to interact with the IRS1 protein, suggesting a role for this protein in regulating insulin sensitivity by interrupting the association between the insulin receptor and IRS1.</p> |
| Applications | Western Blot |
| Molecular Weight | 29kDa |
| Expression System | E.coli |
| Form | Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|----------------------|---|
| Purity | >95 % |
| Concentration | 0.2ug/ul |
| Sequences | Full-length |
| Storage | Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
| Pathways | Adaptive Immunity Signaling; Alpha6-Beta4 Integrin Signaling Pathway; Calcium Regulation in the Cardiac Cell; Cell cycle; Class I PI3K signaling events mediated by Akt; Cytokine Signaling in Immune system; Destabilization of mRNA by KSRP; ErbB1 downstream signaling; Formation of Platelet plug; FoxO family signaling; GP1b-IX-V activation signalling; Hemostasis; IGF1 pathway; IL-3 Signaling Pathway; IL-5 Signaling Pathway |

GENE INFORMATION

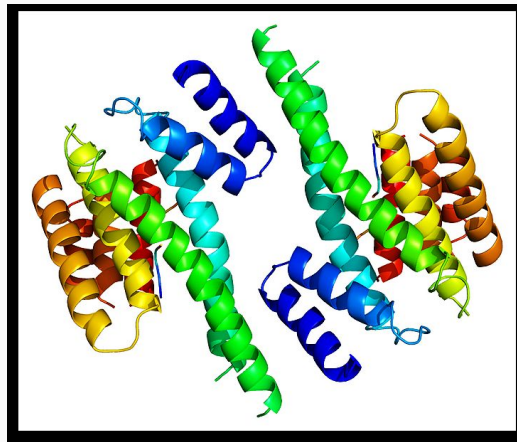
| | |
|------------------------|---|
| Gene Name | YWHAZ tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide [Homo sapiens] |
| Official Symbol | YWHAZ |
| Synonyms | YWHAZ; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide; KCIP-1; MGC111427; MGC126532; MGC138156; phospholipase A2; 14-3-3 zeta; 14-3-3 protein/cytosolic phospholipase A2; Protein kinase C inhibitor protein 1; protein kinase C inhibitor protein-1; tyrosine 3/tryptophan 5 - monooxygenase activation protein, zeta polypeptide; OTTHUMP00000165851; OTTHUMP00000165852; OTTHUMP00000165854; OTTHUMP00000165858; OTTHUMP00000165859; OTTHUMP00000165860; YWHAZ tyrosine 3- |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

monoxygenase/tryptophan 5-monoxygenase activation protein, zeta polypeptide

Gene ID 7534**mRNA Refseq** NM_001135699**Protein Refseq** NP_001129171**MIM** 601288**UniProt ID** P63104**Chromosome
Location** 8q23.1**Function** protein binding; protein domain specific binding; transcription factor binding**PDB rendering based
on 1a37.** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA