

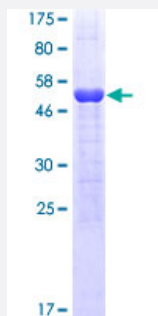
Full-Length

YWHAZ (Human) Recombinant Protein (P01)

Catalog # H00007534-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human YWHAZ full-length ORF (NP_003397.1, 1 a.a. - 245 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDKNELVQKAKLAEQAERYDDMAACMKSVTEQGAELSNEERNLLSVAYKNVVGARRSSWRVV
SSIEQKTEGAEEKKQQMAREYREKIETELRDICNDVLSLLEKFLIPNASQAESKVLYLKMKGDIYRYL
AEVAAGDDKKGIVDQSQQAYQEAFEISKKEMQPTHPIRLGLALNFSVFYYEILNSPEKACSLAKTA
FDEAIAELDTLSEESYKDSTLIMQLLRDNLTLWTSDTQGDEAEAGEGGEN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.1

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — YWHAZ

Entrez GeneID	7534
GeneBank Accession#	NM_003406.2
Protein Accession#	NP_003397.1
Gene Name	YWHAZ
Gene Alias	KCIP-1, MGC111427, MGC126532, MGC138156
Gene Description	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
Omim ID	601288
Gene Ontology	Hyperlink
Gene Summary	This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene. [provided by RefSeq]
Other Designations	14-3-3 protein/cytosolic phospholipase A2 14-3-3 zeta OTTHUMP00000165851 OTTHUMP00000165852 OTTHUMP00000165854 OTTHUMP00000165858 OTTHUMP00000165859 OTTHUMP00000165860 phospholipase A2 protein kinase C inhibitor protein-1 tyrosine 3/tryptophan 5 -monooxyg

Pathway

- [Cell cycle](#)

- [Neurotrophin signaling pathway](#)
- [Pathogenic Escherichia coli infection - EHEC](#)

Disease

- [Alzheimer disease](#)
- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)