

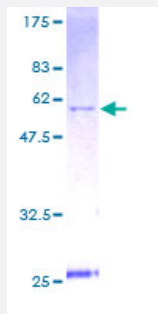
Full-Length

YWHAE (Human) Recombinant Protein (P01)

Catalog # H00007531-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human YWHAE full-length ORF (AAH00179, 1 a.a. - 255 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDDREDLVYQAKLAEQAERYDEMVESMKKVAGMDVELTVEERNLLSVAYKNVIGARRASWRIIS SIEQKEENKGGEDKMKMIREYRQMVELKLCDDILDVLDKHLIPAANTGESKVFYKMKGDYHRY LAEFATGNDRKEAAENSLVAYKAASDIAMTELPPTHPIRLGLALNFSVFYIEILNSPDRACRLAKAA FDDAIAELDTLSEESYKDSTLIMQLLRDNLTLWTSDMQGDGEEQNKEALQDVEDENQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.79
Interspecies Antigen Sequence	Mouse (100)
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 — YWHAE

Entrez GeneID [7531](#)**GeneBank Accession#** [BC000179](#)**Protein Accession#** [AAH00179](#)**Gene Name** YWHAE**Gene Alias** 14-3-3E, FLJ45465, KCIP-1, MDCR, MDS**Gene Description** tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide**Omim ID** [247200](#) [605066](#)**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 100% identical to the mouse ortholog. It interacts with CD C25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, have been found for this gene. [provided by RefSeq]

Other Designations 14-3-3 epsilon|mitochondrial import stimulation factor L subunit|protein kinase C inhibitor protein-1|tyrosine 3/tryptophan 5 -monooxygenase activation protein, epsilon polypeptide

Pathway

- [Cell cycle](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)