

Recombinant Human YWHAE Protein, His-tagged

YWHAE-019H Human

Lot. No. (See product label)

Specification

Product Overview Recombinant protein of full length human tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide (YWHAE), transcript variant 1 was expressed in E. coli.

Description 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 CDC25 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, Aug 2008].

Source E. coli

Species Human

Tag His

Molecular Mass 56 kDa

Endotoxin <0.1 EU per µg protein as determined by LAL test.

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for at least 6 months from date of receipt under proper storage and handling conditions.

Concentration Resuspend the protein to the desired concentration in proper buffer.

Storage Buffer Lyophilized from a 0.2 µM filtered solution of 20mM Phosphate buffer, 150mM NaCl, pH 7.2.

Gene Information

Gene Name [YWHAE tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide \[Homo sapiens \]](#)

Official Symbol [YWHAE](#)

Synonyms YWHAE; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide; 14-3-3 protein epsilon; 14 3 3 epsilon; FLJ45465; 14-3-3 epsilon; protein kinase C inhibitor protein-1; mitochondrial import stimulation factor L subunit; tyrosine 3/tryptophan 5 - monooxygenase activation protein, epsilon polypeptide; MDS; MDCR; KCIP-1; 14-3-3E; FLJ53559;

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Gene ID	7531
mRNA Refseq	NM_006761
Protein Refseq	NP_006752
MIM	605066
UniProt ID	P62258

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