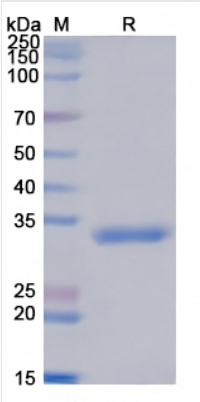
YWHAE Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	YWHAE, Recombinant Protein
Full Product Name	Recombinant Human YWHAE Protein, N-His
Product Gene Name	YWHAE recombinant protein
Product Synonym Names	14-3-3E; YWHAE; 14-3-3 protein epsilon
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	29,174 Da
Sequence Positions	Met1-Gln255
Chromosome Location	Chromosome: 17; NC_000017.10 (1247834..1303556, complement). Location: 17p13.3
OMIM	605066
3D Structure	ModBase 3D Structure for P62258
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for YWHAE recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for YWHAE recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for YWHAE recombinant protein	MBS1576833 is a recombinant protein targeting YWHAE. Also known as Recombinant Human YWHAE Protein, N-His. Host: E coli.
Other Notes	Small volumes of YWHAE recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of YWHAE recombinant protein
SDS PAGE for Recombinant Human YWHAE Protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for YWHAE. It may not necessarily be applicable to this product.

NCBI GI #	5803225
NCBI GeneID	7531
NCBI Accession #	NP_006752.1
UniProt Primary Accession #	P62258
UniProt Secondary Accession #	P29360; P42655; Q4VJB6; Q53XZ5; Q63631; Q7M4R4; B3KY71; D3DTH5
UniProt Related Accession #	P62258
GenBank Nucleotide #	NM_006761.4
NCBI Official Full Name	14-3-3 protein epsilon
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide
NCBI Official Symbol	YWHAE
NCBI Official Synonym Symbols	MDS; MDCR; KCIP-1; 14-3-3E
UniProt Protein Name	14-3-3 protein epsilon
Protein Family	14-3-3 protein
UniProt Gene Name	YWHAE
UniProt Synonym Gene Names	14-3-3E
UniProt Entry Name	1433E_HUMAN
NCBI Protein Information	14-3-3 protein epsilon; 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
NCBI Summary for YWHAE	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]

UniProt Comments for YWHAE	14-3-3 epsilon: a protein of the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. A multifunctional regulator of the cell signaling processes. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 17p13.3 Cellular Component: kinesin complex; cytoplasmic vesicle membrane; focal adhesion; mitochondrion; membrane; axon; melanosome; cytosol Molecular Function: protein domain specific binding; protein binding; enzyme binding; potassium channel regulator activity; protein heterodimerization activity; histone deacetylase binding; phosphoprotein binding; phosphoserine binding Biological Process: substantia nigra development; nerve growth factor receptor signaling pathway; viral reproduction; apoptosis; organelle organization and biogenesis; hippocampus development; neuron migration; mitotic cell cycle; cerebral cortex development; regulation of caspase activity; G2/M transition of mitotic cell cycle; regulation of the rate of heart contraction by hormone; protein targeting Disease: Miller-dieker Lissencephaly Syndrome
Research Articles on YWHAE	**1.** The subcellular localization of full-length human MLF1 is 14-3-3epsilon-independent.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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