

Recombinant Human YWHAH protein

Cat. No. YWHAH-67H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 14-3-3 eta was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	14-3-3 eta also as known as YWHAH. This protein belong to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. 14-3-3 eta interacts with and relocalizes the A20 zinc finger protein from the insoluble to the soluble fraction, suggesting a chaperone function. It implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binding to a large number of partners, usually by recognition of a phosphothreonine motif.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	28.2kDa (246aa)
AA Sequence	MGDREQLLQR ARLAEQAERY DDMASAMKAV TELNEPLSNE DRNLLSVAYK NVVGARRSSW RVISSIEQKT MADGNEKKLE KVKAYREKIEKELETVCNDV LSLLDKFLIK NCNDFQYESK VFYLMKMGDY YRYLAEVASG EKKN SVVEAS EAAYKEAFEI SKEQM QPHTP IRLGLALNFS VFYYEIQNAP EQACLLAKQA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDQQDE EAGEGN

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	YWHAH tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide [Homo sapiens]
Official Symbol	YWHAH
Synonyms	YWHAH; YWHA1; 14-3-3 protein eta; 14 3 3 eta
Gene ID	7533
mRNA Refseq	NM_003405
Protein Refseq	NP_003396
MIM	113508
UniProt ID	Q04917
Chromosome Location	22q12.1-q13.1
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Calcium Regulation in the

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Cardiac Cell, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Class I PI3K signaling events mediated by Akt, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem;

Function

actin binding; enzyme binding; glucocorticoid receptor binding; insulin-like growth factor receptor binding; protein binding; protein domain specific binding;

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