

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 EKKNSVVEAS EAAYKEAFEI SKEQMQPHTP 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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