
Product Data Sheet

Product Name: YWHAE Human
 Cat. No.: GP22655
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	YWHAE; MDS; MDCR; KCIP-1; 14-3-3E; 14-3-3 Epsilon; FLJ45465; Tyr-3/Trp- 5 Monooxygenase Activation Protein Epsilon.		
Amino Acid Sequence	MDDREDLVYQ AKLAEQAERY DEMVESMKKV AGMDVELTVE ERNLLSVAYK NVIGARRASWRIISSIEQKE ENKGGEDKLK MIREYRQMVE TELKLICCDI LDVLDKHLIP AANTGESKVFYYKMGDYHR YLAEFATGND RKEAAENSLV AYKAASDIAM TELPPTHPIR LGLALNFSVFYYEILNSPDR ACRLAKAAFD DAIAELDTLS EESYKDSTLI MQLLRDNLTL WTSDMQGDGE EQNKEALQDV EDENQ.		
Formulation	YWHAE solution containing 20mM Tris 7.5.		

Introduction

The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, β , γ , ϵ , σ , ζ , τ and η that have been identified in mammals. The 14-3-3 epsilon, a subtype of the 14-3-3 family of proteins, was thought to be brain and neuron-specific. It has been shown to interact 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 sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer.

Stability

YWHAE Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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YWHAE Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 255 amino acids (1-255) and having a molecular mass of 29 kDa. YWHAE is purified by proprietary chromatographic techniques.

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