
Product Data Sheet

Product Name: YWHAH Human
 Cat. No.: GP22660
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	14-3-3 ETA; YWHAH; YWHA1; Protein AS1; Tyr-3/Trp-5 Monooxygenase Activation Protein ETA.		
Amino Acid Sequence	MGDREQLLQR ARLAEQAERY DDMASAMKAV TELNEPLSNE DRNLLSVAYK NVVGARRSSW RVISSIEQKT MADGNEKKLE KVKAYREKIE KELETVCNDV LSLLDKFLIK NCNDFQYESK VFYLLKMGDY YRYLAEVASG EKKNSVVEAS EAAYKEAFEI SKEQMOPHP IRLGLALNFS VFYYEIQNAP EQACLLAKQA FDDAIAELDT LNESYKDST LIMQLLRDNL TLWTSDDQQDE EAGEGN.		
Formulation	The YWHAH protein solution (1mg/ml) containing Phosphate Buffered Saline (pH7.4) 10% glycerol.		

Introduction

YWHAH belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. 14-3-3 ETA is found in plants and mammals, and there is 99% identity to the mouse, rat and bovine orthologs. YWHAH gene contains a 7 base pair repeat sequence in its 5' UTR, and changes in the number of this repeat has been associated with early-onset schizophrenia. 14-3-3 eta is specific to the site of joint inflammation. 14-3-3 proteins are colocalized with Lewy bodies in Parkinson disease, though there is no specific staining for the 14-3-3 eta subunit. There are 3 different isoforms types of 14-3-3: Beta, Gamma and ETA that are DAL-1/Protein 4.1B-binding proteins.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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

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Background

YWHAH Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 246 amino acids and having a molecular mass of 28.2kDa. The YWHAH is purified by proprietary chromatographic techniques.

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