14-3-3 ?, 1-246aa, Human, His tagged, Recombinant, E.coli

Cat.NO.: TP01009

3th Edition

Synonyms: Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide; YWHA1; YWHAH.

Description: 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, ?, ?, ?, ?, ?, ? and ? that have been identified in mammals. The 14-3-3 eta, a subtype of the 14-3-3 family of proteins, was found in B cells, brain, cerebrospinal fluid etc. 14-3-3 eta interacts with and relocalizes the A20 zinc finger protein from the insoluble to the soluble fraction, suggesting a chaperone function. Recombinant human 14-3-3 eta, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography techniques.

Form: Liquid in 20 mM Tris pH 8.0

Molecular Weight:30.3 kDa (266 aa), confirmed by MALDI-TOF

Sequences:
MGSSHHHHHHSSGLVPRGSHMGDREQLLQRARLAEQAERYDDMASAMKAVTELNEPLSNEDRNLLSVAYKNVV
GARRSSWRVISSIEQKTMADGNEKKLEKVKAYREKIEKELETVCNDVLSLLDKFLIKNCNDFQYESKVFYLKMKGDY
YRYLAEVASGEKKNSVVEASEAAYKEAFEISKEQMQPTHPIRLGLALNFSVFYYEIQNAPEQACLLAKQAFDDAIAEL
DTLNEDSYKDSTLIMQLLRDNLTLWTSDQQDEEAGEGN

Purity:> 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.