

Product: 14-3-3 eta (1-246aa, His-tagged), Human
Catalog #: 01-2057ET
Amount: 10 µg

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, β, γ, ε, σ, ζ, τ and η that have been identified in mammals. The 14-3-3eta, a subtype of the 14-3-3 family of proteins, was found in B cells, brain, cerebrospinal fluid etc. 14-3-3eta interacts with and relocalizes the A20 zinc finger protein from the insoluble to the soluble fraction, suggesting a chaperone function.

Full Name: Tyrosine 3-monooxygenase/ tryptophan 5-monooxygenase activation protein, eta polypeptide

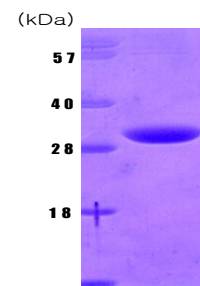
Synonyms: YWHA1, YWHAH

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGDREQLLQR ARLAEQAERY DDMASAMKAV
 TELNEPLSNE DRNLLSVAYK NVVGARRSSW RVISSIEQKT MADGNEKKLE KVKA YREKIE
 KELETVCNDV LSLLDKFLIK NCNDFQYESK VFYLMKMGDY YRYLAEVASG EKKNSVVEAS
 EAAYKEAFEI SKEQMOPHTP IRLGLALNFS VFYYEIQNAP EQACLLAKQA FDDAIAELDT
 LNEDSYKDST LIMQLLRDNL TLWTSDQQDE EAGEGN

SOURCE: Recombinant, His-tagged (N), *E.coli* expression system
MOLECULAR WEIGHT: 30.3 kDa (246 aa)
PURITY: > 95% by SDS PAGE
FORM: Purified, in 20mM Tris pH 8.0
ENDOTOXIN:
CONCENTRATION: 1 mg/ml (Bradford Assay)
STORAGE: -20°C (aliquot), Avoid repeated freeze and thaw cycles

REFERENCE:
 Shigeto Sato., et al. (2006), EMBO. 25, 211–221
 Chen J., et al. (2007), J Neurosci Res. 85(8):1724-733



15% SDS-PAGE (3µg)