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AR09099PU-N Recombinant Human 14-3-3 beta (aa 1-246)

Alternate names: KCIP-1, Protein 1054, Protein kinase C inhibitor protein 1, YWHAB

Quantity: 0.1 mg

Concentration: 1.0 mg/ml

Background: The 14-3-3 family 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 beta, a subtype of the 14-3-3 proteins, was found in B Cells, brain and liver etc. This 14-3-3 beta has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery.

Uniprot ID: P31946

NCBI: NP_003395.1

GeneID: 7529

Species: Human

Source: E. coli

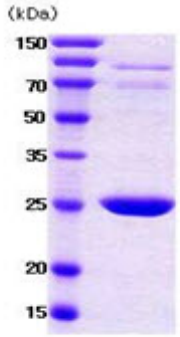
Format:
State: Liquid purified protein
Purity: >90% pure by SDS-PAGE
Buffer System: 20 mM Tris pH 8.0, 1 mM EDTA, 50 mM NaCl

Description: Recombinant Human 14-3-3 beta was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHELSN EERNLLSVAY KNVVGARRSS
WRVISSIEQK TERNEKKQQM GKEYREKIEA ELQDICNDVL ELLDKYLIPN ATQPESKVFY
LKMKGDYFRY LSEVASGDNK QTTVSNSQQA YQEAFEISKK EMQPTHPIRL GLALNFSVFY
YEILNSPEKA CSLAKTAFDE AIAELDTLNE ESYKDSTLIM QLLRDNLTLW TSENQGDEGD AGEGEN
Molecular weight: kDa (246 aa)

Storage: Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
Rodriguez LG., et al. (2005). J Cell Physiol. Jan; 202(1):285-94.
Mils V., et al.(2000). Oncogene. Mar 2; 19(10):1257-65.

Pictures:



15% SDS-PAGE (3ug)

14-3-3 beta, 1-246 aa: 15% SDS-PAGE (3 µg)