

**Product:** 14-3-3 beta (1-246aa), Human  
**Catalog #:** 01-2057B  
**Amount:** 10 µg

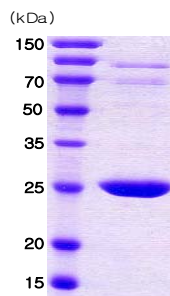
**DESCRIPTION:**

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.

**Full Name:** Tyrosine 3-monooxygenase/tryptopan 5-monooxygenase activation protein, beta polypeptide

**AA Sequence:**

MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHELNS EERNLLSVAY KNVVVGARRSS  
 WRVISSIEQK TERNEKKQQM GKEYREKIEA ELQDICNDVL ELLDKYLIPN ATQPESKVFY  
 LKMKGDYFRY LSEVASGDNK QTTVSNSQQA YQEAFEISKK EMQPTHPIRL GLALNFSVFY  
 YEILNSPEKA CSLAKTAFDE AIAELDTLNE ESYKDSTLIM QLLRDNLTLW TSENQGDEGD  
 AGEGEN



15% SDS-PAGE (3ug)

**SOURCE:** Recombinant, *E.coli* expression system  
**MOLECULAR WEIGHT:** 28 kDa (246 aa)  
**PURITY:** > 90% by SDS PAGE  
**FORM:** Purified, in 20mM Tris pH 8.0, 1mM EDTA, 50mM NaCl  
**ENDOTOXIN:**  
**CONCENTRATION:** 1 mg/ml (Bradford Assay)  
**STORAGE:** -20°C (aliquot), Avoid repeated freeze and thaw cycles  
**REFERENCE:**  
 Rodriguez LG., et al. (2005). J Cell Physiol. Jan; 202(1):285-294.  
 Mills V., et al.(2000). Oncogene. Mar 2; 19(10):1257-1265

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