

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/tryptophan 5-monooxygenase activation protein, beta polypeptide

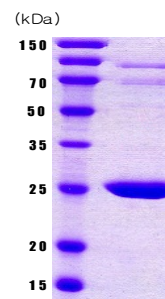
AA Sequence:

MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHELSN EERNLLSVAY KNVVGARRSS
WRVISSIEQK TERNEKKQQM GKEYREKIEA ELQDICNDVL ELLDKYLIPN ATQPESKVFY
LKMKGDYFRY LSEVASGDNK QTTVNSNSQQA YQEAFEISKK EMQPHTPIRL GLALNFSVFY
YEILNSPEKA CSLAKTAFDE AIAELDTLNE ESYKDSTLIM QLLRDNLTLW TSENQGDGEG
AGEGEN

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.
Mils V., et al.(2000). Oncogene. Mar 2; 19(10):1257-1265



15% SDS-PAGE (3µg)