

Product information

14-3-3 beta, 1-246 aa

Human, Recombinant, *E.coli*

Cat. No. IBYWB0801

Full name: Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide

Synonyms: YWHAB, GW128, HS1, KCIP-1

NCBI Accession No.: NP_003395

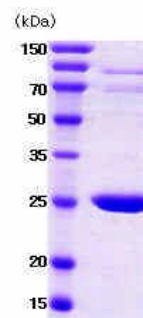
Description: The 14-3-3 family plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, β , γ , ϵ , σ , ζ , τ and η that have been identified in 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. Recombinant human 14-3-3 beta was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM EDTA, 50 mM NaCl

Molecular Weight: 28 kDa (246 aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHELNSN EERNLLSVAY KNVVGARRSS WRVISSIEQK TERNEKKQQM GKEYREKIEA
ELQDIGNDLV ELLDKYLIPN ATQPESKVFY LKMKGDYFRY LSEVASGDNK QTTVSNQQQA YQEAFEISKK EMQPTHPIRL GLALNFSVFY
YEILNSPEKA CSLAKTAFDE AIAELDTLNE ESYKDSTLIM QLLRDNLTLW TSENQGDEGD AGEGEN

General references:

Rodriguez LG., *et al.* (2005) *J Cell Physiol.* 202(1):285-94.

Mils V., *et al.* (2000) *Oncogene.* 19(10):1257-65.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.