

Recombinant human 14-3-3 beta/alpha protein

Catalog Number: YWB0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-246aa

UniProt No.

P31946

NCBI Accession No.

NP_003395.1

Alternative Names

YWHAB, YWHAA, Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein beta/alpha, Protein 1054, Protein kinase C inhibitor protein 1, KCIP-1, 14-3-3 protein beta/alpha N-terminally processed, GW128, HEL-S-1, HS1, KCIP-1

PRODUCT SPECIFICATION

Molecular Weight

28 kDa (246aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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, beta, gamma, epsilon, sigma, zeta, tau and eta 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

Recombinant human 14-3-3 beta/alpha protein

Catalog Number: YWB0801

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.

Amino acid Sequence

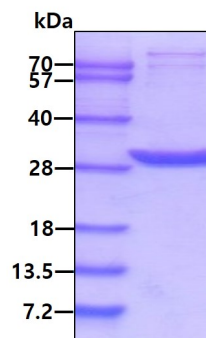
MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHLSN EERNLLSVAY KNVVGARRSS WRVISSIEQK TERNEKKQQM
GKEYREKIEA ELQDICNDVL ELLDKYLIPN ATQPESKVFY LKMKGDYFRY LSEVASGDNK QTTVSNSQQA YQEAFEISKK
EMQPTHPIRL GLALNFSVFY YEILNSPEKA CSLAKTAFDE AIAELDTLNE ESYKDSTLIM QLLRDNLTLW TSENQGDEGD
AGEGEN

General References

Rodriguez LG., et al. (2005) *J Cell Physiol.* 202(1):285-94.
Mils V., et al. (2000) *Oncogene.* 19(10):1257-65.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.