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

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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

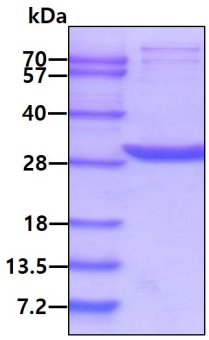
MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHELSN EERNLLSVAY KNVVGARRSS WRVISSIEQK TERNEKKQQM GKEYREKIEA ELQDICNDVL ELLDKYLIPN ATQPESKVFY LKMKGDYFRY LSEVASGDNK QTTVSNSQQA YQEAFEISKK EMQPTHPIRL GLALNFSVFY YEILNSPEKA CSLAKTAFDE AIAELDTLNE ESYKDSTLIM QLLRDNLTLW TSENQGDEGD AGEGEN

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.