



## Product Datasheet

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| <b>Product Name</b> | Tyr-3/Trp- 5 Monooxygenase Activation Protein Beta Human Recombinant   |
| <b>Cata No</b>      | CB501436   |
| <b>Source</b>       | <i>Escherichia Coli.</i>   |
| <b>Synonyms</b>     | 14-3-3 protein beta/alpha, Protein kinase C inhibitor protein 1, Protein 1054, YWHAB, HS1, GW128, KCIP-1, Tyr-3/Trp- 5 Monooxygenase Activation Protein Beta, 14-3-3 Beta. |

### Description

YWHAB belongs to the 14-3-3 family of proteins which are in charge for signal transduction by binding to phosphoserine-containing proteins. YWHAB is found in both plants and mammals. YWHAB protein interacts with RAF1 and CDC25 phosphatases, thus linking mitogenic signaling and the cell cycle machinery. YWHAB is an adapter protein involved in the regulation of a large spectrum of both general and specialized signaling pathway. YWHAB binds to a large number of proteins by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. YWHAB Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 246 amino acids (1-246) and having a molecular mass of 29 kDa. YWHAB is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Purity

Greater than 90.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### Formulation

YWHAB solution containing 20mM Tris pH-8, 1mM EDTA & 50mM NaCl.

### Stability

YWHAB Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C.

**Please prevent freeze thaw cycles.**

### Sequence

MTMDKSELVQ KAKLAEQAER YDDMAAAMKA  
VTEQGHELNS EERNLLSVAY KNVVGARRSS  
WRVISSIEQK TERNEKKQQM GKEYREKIEA  
ELQDICNDVL ELLDKYLIPN ATQPESKVFY  
LKMKGDFRY LSEVASGDNK QTTVSNSQQA  
YQEAFAEISKK EMQPTHPIRL GLALNFSVFY  
YEILNSPEKA CSLAKTAFDE AIAELDTLNE  
ESYKDSTLIM QLLRDNLTLW TSENQGDEGD  
AGEGEN