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YWHAE, 1-255aa, Human, His-tag, E.coli

产品货号: TP04525

第三版

别名:14-3-3 protein epsilon, 14-3-3E, HEL2, KCIP-1, MDCR, MDS

描述:YWHAE, also known as 14-3-3 protein epsilon, is adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, ϵ_1 , ϵ_2 , ϵ_3 , ϵ_4 , ϵ_5 , ϵ_6 and ϵ_7 that have been identified in mammals. The 14-3-3 epsilon, a subtype of the 14-3-3 family of proteins, was thought to be brain and neuron-specific. It has been shown to interact with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Recombinant human YWHAE, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In Phosphate Buffered Saline (pH7.4) containing 1mM DTT, 10% glycerol

分子量:31.3 kDa (275aa) Confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMDDREDLVYQAKLAEQAERYDEMVESMKKVAGMDVELTVEERNLLSVAYKNVIGARR
ASWRIISSIEQKEENKGGEDKMKMIREYRQMVETELKLICCDILDVLDKHLIPAANTGESKVFYKMKGDYHRYLAEFATG
NDRKEAAENSLVAYKAASDIAMTELPPTHPIRLGLALNFSVFYIEILNSPDRACRLAKAAFDDAIAELDTLSEESYKDSTLIM
QLLRDNLTLWTSDMQGDGEEQNKEALQDVEDENQ

纯度:> 95% by HPLC

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

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.