

YWHAZ

Recombinant Human 14-3-3 zeta

Catalog No.	CSI20102A CSI20102B	Quantity:	20 µg 50 µg
Alternate Names:	14-3-3-zeta, KCIP-1		
Description:	<p>Tyrosine 2-monooxygenase/trhptophan 5-monooxygenase activation protein zeta (YWHAZ/14-3-3-zeta) belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and sheep orthologs. YWHAZ/14-3-3-zeta interacts with IRS1 protein, suggesting a role in regulating Insulin sensitivity by disrupting the association between the Insulin Receptor (INSR) and Insulin Receptor Substrate 1 (IRS1). YWHAZ/14-3-3-zeta plays a key role in cancer biology by being an important regulator of major cellular processes such as proliferation, differentiation, senescence and apoptosis.</p>		
Concentration:	0.2 µg/µl		
Gene ID:	7534		
Source:	<i>E.coli</i>		
Molecular Weight:	29 kDa		
Formulation:	Liquid in 50 mM Tris-HCl pH 7.5 + 50 mM NaCl + 0.25 mM DTT + 0.1 mM PMSF + 25% Glycerol		
Purity:	>95%		
Storage & Stability:	Store at -70°C. 1 year. For longer term, store in working aliquots at -70°C. Avoid repeated freeze-thaw cycles.		

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