

14-3-3 zeta recombinant protein

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CATALOG # AAA14245	HOST E Coli	APPLICATIONS Western Blot
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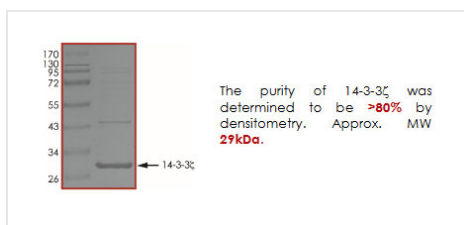
PRODUCT SYNONYMS

14-3-3 zeta; 14-3-3 zeta recombinant protein; YWHAZ; KCIP-1; MGC111427; MGC126532; MGC138156

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 80%
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol
Concentration	0.2ug/ul (varies by lot)
Sequence Length	3003
Applicable Applications for 14-3-3 zeta recombinant protein	WB (Western Blot)
Species	Human
Tag Information	tag-free
Expression System	E.coli
Source Note	Recombinant full-length human 14-3-3zeta was expressed in E. coli cells
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on dry ice. 1 year at -70 degree C. Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for 14-3-3 zeta recombinant protein	Recombinant full-length human tag-free 14-3-3zeta was expressed in E. coli cells. Scientific Background: 14-3-3theta¶ (also known as tyrosine 3-monooxygenase/ tryptophan 5-monooxygenase activation protein, zeta polypeptide) is a member of the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. 14-3-3theta¶ protein plays a key role in cancer biology by being an important regulator of major cellular processes such as proliferation, differentiation, senescence and apoptosis (1). 14-3-3theta¶ protein has been shown to interact with the IRS1 protein, suggesting a role for this protein in regulating insulin sensitivity by interrupting the association between the insulin receptor and IRS1 (2).
Product Categories/Family for 14-3-3 zeta recombinant protein	Cell Stress & Chaperone Proteins; Signaling Proteins - Cell Stress & Chaperone Proteins
References	1.Li, Z. et al: Down-regulation of 14-3-3zeta suppresses anchorage-independent growth of lung cancer cells through anoikis activation.Proc NatlAcadSci U S A. 2008; 105(1):162-7. 2.Niemantsverdriet, M. et al: Cellular functions of 14-3-3 zeta in apoptosis and cell adhesion emphasize its oncogenic character.Oncogene. 2008;27(9):1315-9. 2007

NCBI AND UNIPROT INFORMATION

NCBI GI #	208973235
NCBI GeneID	7534
NCBI Accession #	NP_003397.1
NCBI GenBank Nucleotide #	NM_003406
UniProt Accession #	P63104; P29213; P29312; Q32P43; Q5XJ08; Q6GPI2; Q6IN74; Q6NUR9; Q6P3U9; Q86V33; A8K1N0; B7Z465
NCBI Official Full Name	Homo sapiens tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide (YWHAZ), transcript variant 1, mRNA
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
NCBI Official Symbol	YWHAZ
NCBI Official Synonym Symbols	YWHAD; KCIP-1; 14-3-3-zeta
NCBI Protein Information	14-3-3 protein zeta/delta; 14-3-3 zeta; 14-3-3 delta; phospholipase A2; protein kinase C inhibitor protein 1; protein kinase C inhibitor protein-1; 14-3-3 protein/cytosolic phospholipase A2; tyrosine 3/tryptophan 5 -monooxygenase activation protein, zeta polypeptide; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, delta polypeptide
UniProt Protein Name	14-3-3 protein zeta/delta
UniProt Gene Name	YWHAZ
UniProt Synonym Gene Names	KCIP-1
UniProt Entry Name	1433Z_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ywhaz-recombinant-protein-e-coli-wb-western-blot/14245>