

14-3-3 zeta/delta Protein, Human, Recombinant (His)

General Information

Synonyms:	Protein kinase C inhibitor protein 1 (KCIP-1);14-3-3 protein zeta/delta;YWHAZ
Protein Construction:	1-245 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P63104
Molecular Weight:	20.6 kDa (predicted)
AA Sequence:	AEKKQQMAREYREKIETELRDICNDVLSLLEKFLIPNASQAESKVFYLMKMGDYRYLAEVAAGDDKKGIVDQ SQQAYQEAFEISKKEMQPTHPIRLGLALNFSVFFYYEILNSPEKACSLAKTAFDEAIAELDTLSEESYKDSTLIMQL LRDNLTLWTSDTQGDEAEAGEGGEN

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine

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motif. Binding generally results in the modulation of the activity of the binding partner. Induces ARHGEF7 activity on RAC1 as well as lamellipodia and membrane ruffle formation. In neurons, regulates spine maturation through the modulation of ARHGEF7 activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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