

## 14-3-3 zeta/delta Protein, Mouse, Recombinant (His & SUMO)

### General Information

Synonyms:	Ywhaz;SEZ-2;Protein kinase C inhibitor protein 1 (KCIP-1);14-3-3 protein zeta/delta
Protein Construction:	1-245 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	P63101
Molecular Weight:	43.8 kDa (predicted)
AA Sequence:	MDKNELVQKAKLAEQAERYDDMAACMKSVTEQGAELSNEERNLLSVAYKNVVGARRSSWRVSSIEQKTEG AEKKQQMAREYREKIETELRDICNDVLSLLEKFLIPNASQPESKVFYFLKMKGDYYRYLAEVAAGDDKKGIVDQ 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:	Lyophilized from a 0.2 µm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### 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.

*Actual storage temperature shall be subject to the COA.*

#### 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 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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