

## General Information

### Protein Construction

A DNA sequence encoding the human ACTN1 (NP\_001410942.1) 585-934 aa was fused with the N-terminal GST tag

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Not tested.

### Purity

80%, by SDS-PAGE with Coomassie Brilliant Blue staining.

### Endotoxin

Please contact the lab for more information.

### Stability

Store for up to 12 months at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  as lyophilized powder.

### Formulation

The purified protein was Lyophilized from sterile PBS (58mM  $\text{Na}_2\text{HPO}_4$ , 17mM  $\text{NaH}_2\text{PO}_4$ , 68mM  $\text{NaCl}$ , pH8.). 5 % trehalose and 5 % mannitol are

added as protectants before lyophilization.

## Usage Guide

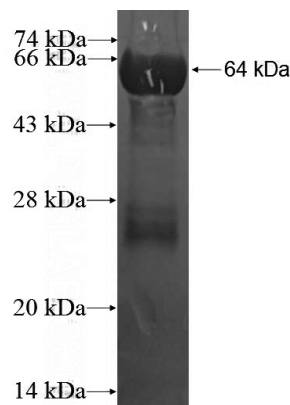
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Reconstitute at  $0.25\ \mu\text{g}/\mu\text{l}$  in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

## SDS-PAGE



Recombinant Human  $\alpha$ -Actinin SDS-PAGE