

# Human SMAD1 Recombinant protein (His tag)



Catalog Number: 512900

## General Information

### Gene Name Synonym:

MAD homolog 1; Mothers against DPP homolog 1; JV4-1; Mad-related protein 1; SMAD family member 1; SMAD 1; Smad1; hSMAD1; Transforming growth factor-beta-signaling protein 1; BSP-1

### Protein Construction:

19-229 aa encoded by BC001878 was inserted into PET30a vector

**Source:** Human

**Expression Host:** E. coli

## QC Testing

### Activity:

Not tested.

### Purity:

### Endotoxin:

Please contact the lab for more information.

### Stability:

Store for up to 12 months at -20°C to -80°C as lyophilized powder.

### Predicted N terminal:

### Molecular Mass:

### Formulation:

Protein lyophilized in sterile PBS (58 mM

Na<sub>2</sub>HPO<sub>4</sub>, 17 mM NaH<sub>2</sub>PO<sub>4</sub>, 68 mM NaCl, 100 mM GSH, pH 8.0). Trehalose (5-8%) and mannitol (5-8%) protectants were added before lyophilization.

## Usage Guide

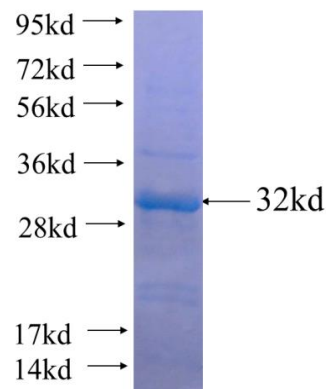
### Storage:

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution:

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 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 SMAD1 SDS-PAGE