

# Human SMAC/Diablo (His Tag) recombinant protein



Catalog Number: 500785

## General Information

### Gene Name Synonym

Direct IAP-binding protein with low pI; Second mitochondria-derived activator of caspase

### Protein Construction

A DNA sequence encoding the mitochondrial-located form of human Diablo (NP\_063940.1) (Ala 56-Asp 239) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized recombinant human SMAC-His (Cat:500785) at 10 µg/ml (100 µl/well) can bind recombinant human XIAP-AVI (Cat:502786) with a linear range of 0.125-1.0 µg/ml.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant human Diablo/SMAC consists of 191 amino acids and migrates as polypeptide of 22 kDa as estimated by SDS-PAGE under reduced and non-reduced conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

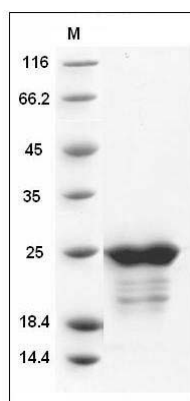
### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human SMAC / Diablo Protein (His Tag) SDS-PAGE