# **PRODUCT INFORMATION**

Expression system E.coli

**Domain** 1-76aa

**UniProt No.** 043715

NCBI Accession No. NP\_057483

Alternative Names TP53-regulated inhibitor of apoptosis 1, HSPC132, MDM35, P53CSV, WF-1

# **PRODUCT SPECIFICATION**

Molecular Weight 11.2 kDa (99aa) confirmed by MALDI-TOF

**Concentration** 1mg/ml (determined by Bradford assay)

**Formulation** Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

**Purity** > 90% by SDS-PAGE

**Tag** His-Tag

Application SDS-PAGE

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

#### Description

TP53-regulated inhibitor of apoptosis 1, also known as TRIAP1, contains a p53-binding site within its second exon and the reduction of expression by small interfering RNA enhanced apoptosis, whereas overexpression protected cells from apoptosis caused by DNA damage. TRIAP1 is induced significantly when cells have a low level of genotoxic stresses, but not when DNA damage is severe. TRIAP1 can modulate apoptotic pathways through interaction with Hsp70 that probably inhibits activity of apoptosis protease activating factor-1. Recombinant human TRIAP1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional



chromatography techniques.

#### **Amino acid Sequence**

<MGSSHHHHHH SSGLVPRGSH MGS>MNSVGEA CTDMKREYDQ CFNRWFAEKF LKGDSSGDPC TDLFKRYQQC VQKAIKEKEI PIEGLEFMGH GKEKPENSS

#### **General References**

Park WR., et al. (2005) Cancer Res. 65(4): 1197-206. Staib F., et al. (2005) Cancer Res. 65(22): 10255-64.

### DATA

#### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.