Recombinant human TRIAP1 protein

Catalog Number: ATGP2431

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-76aa

UniProt No.
O43715

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

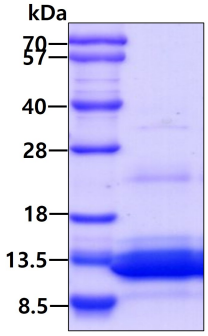
<MGSSHHHHHH SSGLVPRGSH MGS>MNSVGEA CTDMKREYDQ CFNRWFAEKF LKGDSSGDPC TDLFKRYQQC VQKAIKEKEI PIEGLEFMGH GKEKPENSS

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.