

**Product Data Sheet**

Product Name: TP53AIP1 Human  
 Cat. No.: GP24861  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

**Synonyms** 800x600 p53-regulated apoptosis-inducing protein 1; Tumor ProteinP53 Regulated Apoptosis Inducing Protein 1; TP53AIP1; p53AIP1; P53-regulatedapoptosis-inducing protein 1 isoform a; TPIP1; P53AIP1. Normal 0 false false false EN-US X-NONE HE MicrosoftInternetExplorer4 /\* Style Definitions \*/ table.MsoNormalTable{mso-style-name:"Table Normal";mso-tstyle-rowband-size:0;mso-tstyle-colband-size:0;mso-style-noshow:yes;mso-style-priority:99;mso-style-parent:"";mso-padding-alt:0cm 5.4pt 0cm 5.4pt;mso-para-margin:0cm;mso-para-margin-bottom:.0001pt;mso-pagination:widow-orphan;font-size:10.0pt;font-family:"Calibri","sans-serif";}

**Amino Acid Sequence** 800x600 MGSSHHHHHHSSGLVPRGSHMGSSSEASFR SAQASCSGAR RQGLGRGDQN LSVMPPNGRA QTHTPGWVSD PLVLGAQVHG GCRGIEALSV SSGSWSSATVWILTGLGLGL SRPFLPGATV LRDRPLGSAF ELSYDQKKAP LRLQ. Normal 0 false false false EN-US X-NONE HE MicrosoftInternetExplorer4 /\* Style Definitions \*/ table.MsoNormalTable{mso-style-name:"Table Normal";mso-tstyle-rowband-size:0;mso-tstyle-colband-size:0;mso-style-noshow:yes;mso-style-priority:99;mso-style-parent:"";mso-padding-alt:0cm 5.4pt 0cm 5.4pt;mso-para-margin:0cm;mso-para-margin-bottom:.0001pt;mso-pagination:widow-orphan;font-size:10.0pt;font-family:"Calibri","sans-serif";}

**Formulation** The TP53AIP1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.

**Introduction**

Tumor Protein P53 Regulated Apoptosis Inducing Protein 1 (TP53AIP1) is expressed

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mainly in the thymus, and is localized to the mitochondrion. p53 induces TP53AIP1 production which then mediates p53- dependent apoptosis. Alternatively spliced transcript variants encoding diverse isoforms are known for TP53AIP1.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

TP53AIP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 144 amino acids (1-124) and having a molecular mass of 15kDa. TP53AIP1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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