

Recombinant Human p53 protein

Certificate of Analysis and Data Sheet

➤ Source: E.Coli	➤ Catalog No. PRO-302
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➤ **Background:**

p53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis. It binds to mdm2, SV40 T antigen and human papilloma virus E6 protein p53 senses DNA damage and possibly facilitating repair. Mutation involving p53 is found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma.

➤ **Description :**

Recombinant Human p53 protein shows a band at 81kDa on SDS-PAGE commassie blue stained gel.

Recombinant human p53 protein purified by proprietary chromatographic techniques.

➤ **Physical Appearance:**

Sterile filtered liquid.

➤ **Formulation:**

100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.

➤ **Stability:**

Store vial at -20C° to -80C°. When stored at the recommended temperature, p53 protein is stable for 12 months.

Please avoid freeze-thaw cycles.

➤ **Purity:**

Greater than 95.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by reducing and non-reducing SDS-PAGE coomassie blue gel.

➤ **Dimers and aggregates:**

Less than 1% as determined by coomassie blue SDS-PAGE gel analysis.

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of Human p53.

➤ **Usage:**

This material is offered for research and laboratory use.