

## TP53I3 Human

**Description:**TP53I3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 352 amino acids (1-332 a.a.) and having a molecular mass of 37.6 kDa. TP53I3 protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography.

Catalog #:ENPS-526

For research use only.

**Synonyms:**TP53I3, PIG3, Quinone Oxidoreductase, tumor protein p53 inducible protein 3.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MLAVHFDKPG GPENLYVKEV  
AKPSPGEGEV LLKVAASALN RADLMQRQQG YDPPPGASNI LGLEASGHVAELGPGCQGHW  
KIGDTAMALL PGGGQAQYVT VPEGLLMPIP EGLTLTQAAA IPEAWLTAFAQ LLHLVGNVQA  
GDYVLIHAGL SGVGTAAIQLTRMAGAIPLV TAGSQKKLQM AEKLGAAAGF NYKKEDFSEA  
TLKFTKGAGV NLIL

**Purity:**Greater than 90% as determined by SDS-PAGE.

**Formulation:**

1mg/ml solution containing 20mM Tris HCl pH-8, 0.1M NaCl & 10% glycerol.

**Stability:**

TP53I3 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.  
Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

TP53I3 participates in the generation of reactive oxygen species (ROS). TP53I3 has low NADPH-dependent naphtoquinone reductase activity, with a preference for 1,2-naphtoquinone over 1,4-naphtoquinone. TP53I3 has low NADPH-dependent diamine reductase activity (in vitro). TP53I3 is localized to the cytoplasm and induced in primary, non-transformed and transformed cell cultures after exposure to genotoxic agents. TP53I3 microsatellite polymorphism is associated with differential susceptibility to cancer.

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