

Recombinant Human Tumor Protein P53 Inducible Protein 3, His-tagged

Cat. No. TP53I3-2483H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TP53I3 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 37.6 kDa (352aa).
Species	Human
Source	E.coli
Description	TP53I3, also known as quinone oxidoreductase PIG3, is similar to oxidoreductases, which are enzymes involved in cellular responses to oxidative stresses and irradiation. It is localized to the cytoplasm and induced in primary, non-transformed and transformed cell cultures after exposure to genotoxic agents. This protein has been suggested that the microsatellite polymorphism may be associated with differential susceptibility to cancer.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
Purity	> 90% by SDS – PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MLAVHFDKPG GPENLYVKEV AKPSPGEDEV LLKVAASALN RADLMQRQQQ YDPPPGASNI LGLEASGHVA ELGPGCQGHW KIGDTAMALL PGGGQAQYVT VPEGLLMPIP EGLTLTQAAA IPEAWLTAFAQ

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LLHLVGNVQA GDYVLIHAGL SGVGTAAIQL TRMAGAIPLV TAGSQKKLQM
 AEKLGAAAGF NYKKEDFSEA TLKFTKGAGV NLILDCIGGS YWEKNVNCLE
 LDGRWVLYGL MGGGDINGPL FSKLLFKRGS LITSLRSRD NKYKQMLVNA
 FTEQILPHFS TEGPQRLLPV LDRIYPVTEI QEAHKYMEAN KNIGKIVLEL PQ.

Storage

can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

TP53I3 tumor protein p53 inducible protein 3 [Homo sapiens]

Synonyms

tumor protein p53 inducible protein 3; PIG3; TP53I3; quinone oxidoreductase PIG3;
 OTTHUMP00000200726; p53-induced gene 3 protein; quinone oxidoreductase
 homolog;tumor protein p53-inducible protein 3; Tumor protein p53-inducible protein 3;
 EC 1.-.-.-

Gene ID

9540

mRNA Refseq

NM_004881

Protein Refseq

NP_004872

MIM

605171

UniProt ID

Q53FA7

**Chromosome
Location**

2p23.3

Pathway

p53 signaling pathway

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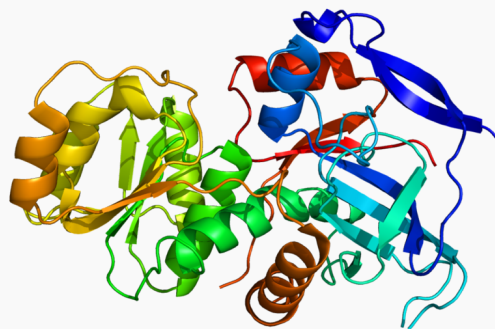
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Function

NADPH binding; NADPH:quinone reductase activity; binding; oxidoreductase activity; protein homodimerization activity; quinone binding; zinc ion binding

**PDB rendering based
on 2j8z.**



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