

Recombinant Human TP53I3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TP53I3-5331H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TP53I3 MS Standard C13 and N15-labeled recombinant protein (NP_671713) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is similar to oxidoreductases, which are enzymes involved in cellular responses to oxidative stresses and irradiation. This gene is induced by the tumor suppressor p53 and is thought to be involved in p53-mediated cell death. It contains a p53 consensus binding site in its promoter region and a downstream pentanucleotide microsatellite sequence. P53 has been shown to transcriptionally activate this gene by interacting with the downstream pentanucleotide microsatellite sequence. The microsatellite is polymorphic, with a varying number of pentanucleotide repeats directly correlated with the extent of transcriptional activation by p53. It has been suggested that the microsatellite polymorphism may be associated with differential susceptibility to cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	35.5 kDa
AA Sequence	MLAVHFDKPGGPENLYVKEVAKPSPGEGEVLLKVAASALNRADLMQRQGQYDPPP

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GASNILGLEASGHVAELGPCQGHWKIGDTAMALLPGGGQAQYVTVPEGLLMPIPE
GLTLTQAAAIPEAWLTAFQLLHLVGNVQAGDYVLIHAGLSGVGTAAIQLTRMAGAIPL
VTAGSQKKLQMAEKLGAAGFNKKEDFSEATLKFTKGAGVNLILDCIGGSYWEKN
VNCLALDGRWVLYGLMGGGDINGPLFSKLLFKRGLITSLLRSRDNKYKQMLVNAFT
EQILPHFSTEGPQRLLPVLDRIYPVTEIQEAHKYMEANKNIGKIVLELPQTRTRPLEQK
LISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TP53I3 tumor protein p53 inducible protein 3 [Homo sapiens (human)]

Official Symbol TP53I3

Synonyms TP53I3; tumor protein p53 inducible protein 3; quinone oxidoreductase PIG3; PIG3; p53-induced gene 3 protein; quinone oxidoreductase homolog;

Gene ID 9540

mRNA Refseq NM_147184

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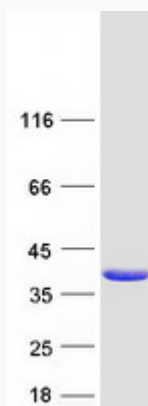
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Protein Refseq NP_671713

MIM 605171

UniProt ID Q53FA7

SDS-PAGE



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