

Product datasheet for **TP301839**

PIG3 (TP53I3) (NM_004881) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human tumor protein p53 inducible protein 3 (TP53I3), transcript variant 1, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC201839 protein sequence
Red=Cloning site **Green**=Tags(s)

MLAVHFDKPGGPENLYVKEVAKPSPGEGEVLLKVAASALNRADLMQRQGQYDPPPGASNILGLEASGHVA
ELGPGCQGHWKIGDTAMALLPGGGQAQYVTVPEGLLMPPIPEGLTLTQAAAIPEAWLTAFLQLLHLVGNVQA
GDYVLIHAGLSGVGTAAIQLTRMAGAIPLVTAGSQKLLQMAEKLGAAGFNKEDFSEATLKFTKGAGV
NLILDCIGGSYWEKNVNCLALDGRWVLYGLMGGGDINGPLFSKLLFKRGLSITLLRSRDNKYKQMLVNA
FTEQILPHFSTEGPQRLLPVLDRIYPVTEIQEAHKYMEANKNIGKIVLELPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 35.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_004872](#)

Locus ID: 9540



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UniProt ID: [Q53FA7](#)

RefSeq Size: 2042

Cytogenetics: 2p23.3

RefSeq ORF: 996

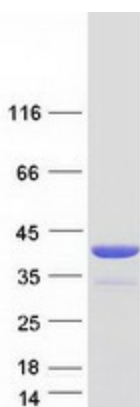
Synonyms: PIG3

Summary: 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. [provided by RefSeq, May 2011]

Protein Families: Druggable Genome

Protein Pathways: p53 signaling pathway

Product images:



Coomassie blue staining of purified TP53I3 protein (Cat# TP301839). The protein was produced from HEK293T cells transfected with TP53I3 cDNA clone (Cat# [RC201839]) using MegaTran 2.0 (Cat# [TT210002]).