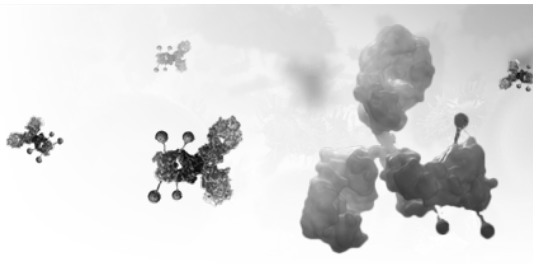

Human TP53I3 peptide (DAG-P1042)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, May 2011]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the zinc-containing alcohol dehydrogenase family. Quinone oxidoreductase subfamily.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

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

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Synonyms	TP53I3; tumor protein p53 inducible protein 3; PIG3; quinone oxidoreductase PIG3; p53-induced gene 3 protein; quinone oxidoreductase homolog;
Entrez Gene ID	9540
mRNA Refseq	NM_001206802.2
Protein Refseq	NP_001193731.1
UniProt ID	Q53FA7
Chromosome Location	2p23.3
Pathway	Direct p53 effectors, organism-specific biosystem; p53 signaling pathway, organism-specific biosystem; p53 signaling pathway, conserved biosystem;
Function	NADPH binding; NADPH:quinone reductase activity; protein homodimerization activity; quinone binding; zinc ion binding;

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