

Product datasheet for PH301839

PIG3 (TP53I3) (NM_004881) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TP53I3 MS Standard C13 and N15-labeled recombinant protein (NP_004872)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201839
Predicted MW:	35.5 kDa
Protein Sequence:	>RC201839 protein sequence Red=Cloning site Green=Tags(s)

MLAVHFDKPGPENLYVKEVAKPSPGEGEVLLKVAASALNRADLMQRQGQYDPPPGASNILGLEASGHVA
ELGPGCQGHWKIGDTAMALLPGGGQAQYVTVPEGLLMP.IPEGLTLTQAAA.IPEAWLTAFLQLHLVGNVQA
GDYVLIHAGLSGVGTAAIQLTRMAGAIPLVTAGSQKQLQMAEKLGAAGFNKKEDFSEATLKFTKGAGV
NLILDICIGGSYWEKNVNCLALDGRWVLYLGMGGDINGPLFSKLLFKRGSLSITSLRSDNKYQMLVNA
FTEQILPHFSTEGPQRLLPVLDRIYPVTEIQEAHKYMEANKNIGKIVLELPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004872</u>
RefSeq Size:	2042
RefSeq ORF:	996
Synonyms:	PIG3
Locus ID:	9540



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UniProt ID: [Q53FA7](#)

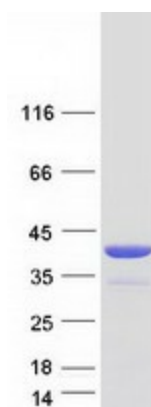
Cytogenetics: 2p23.3

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]).