



C12orf5 blocking peptide (CDBP6277)

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

PRODUCT INFORMATION

Antigen Description	This gene is regulated as part of the p53 tumor suppressor pathway and encodes a protein with sequence similarity to the bisphosphate domain of the glycolytic enzyme that degrades fructose-2,6-bisphosphate. The protein functions by blocking glycolysis and directing the pathway into the pentose phosphate shunt. Expression of this protein also protects cells from DNA damaging reactive oxygen species and provides some protection from DNA damage-induced apoptosis. The 12p13.32 region that includes this gene is paralogous to the 11q13.3 region. [provided by RefSeq, Jul 2008]
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Conjugate	Unconjugated
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Applications	Used as a blocking peptide in immunoblotting applications.
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Format	Liquid
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Concentration	200 µg/mL
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Size	0.05 mg
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Preservative	None
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Storage	-20°C
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GENE INFORMATION

Gene Name	C12orf5 chromosome 12 open reading frame 5 [Homo sapiens (human)]
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Official Symbol	C12orf5
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Synonyms	C12orf5; chromosome 12 open reading frame 5; FR2BP; TIGAR; fructose-2,6-bisphosphatase TIGAR; transactivated by NS3TP2 protein; fructose-2,6-bisphosphate 2-phosphatase; probable fructose-2,6-bisphosphatase TIGAR; TP53-induced glycolysis and apoptosis regulator
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Entrez Gene ID	57103
mRNA Refseq	NM_020375
Protein Refseq	NP_065108
UniProt ID	Q9NQ88
Pathway	Direct p53 effectors; Fructose and mannose metabolism
Function	fructose-2,6-bisphosphate 2-phosphatase activity