



## Human C12ORF5 peptide (DAG-P1232)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the phosphoglycerate mutase family.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	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

<b>Gene Name</b>	<a href="#">C12orf5 chromosome 12 open reading frame 5 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	C12ORF5
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">57103</a>

<b>mRNA Refseq</b>	<a href="#">NM_020375.2</a>
<b>Protein Refseq</b>	<a href="#">NP_065108.1</a>
<b>UniProt ID</b>	Q9NQ88
<b>Chromosome Location</b>	12p13.3
<b>Pathway</b>	Direct p53 effectors, organism-specific biosystem; Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem;
<b>Function</b>	fructose-2,6-bisphosphate 2-phosphatase activity;