

# Recombinant Full Length Human C12orf5 Protein, GST-tagged

Cat. No. C12orf5-1755HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human C12orf5 full-length ORF ( NP_065108.1, 1 a.a. - 270 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	270 amino acids
<b>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.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	56.5 kDa
<b>AA Sequence</b>	MARFALTVVRHGETRFNKEKIIQQGGVDEPLSETGFKQAAAAGIFLNNVKFTHAFSS DLMRTKQTMHGILERSKFCCKDMTVKYDSRLRERKYGVVEGKALSELRAMAKAAREE CPVFTPPGGETLDQVKMRGIDFFEFLCQLILKEADQKEQFSQGSPSNCLETSLAEIFP LGKNHSSKVNSDSGIPGLAASVLVSHGAYMRSFLDYFLTDLKCSLPATLSRSELMSS

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VTPNTGMSLFIINFEEGREVKPTVQCICMNLQDHLNGLTETR

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [C12orf5 chromosome 12 open reading frame 5 \[ Homo sapiens \]](#)

**Official Symbol** [C12orf5](#)

**Synonyms** C12ORF5; chromosome 12 open reading frame 5; probable fructose-2,6-bisphosphatase TIGAR; TIGAR; TP53 induced glycolysis and apoptosis regulator; transactivated by NS3TP2 protein; TP53-induced glycolysis and apoptosis regulator

**Gene ID** [57103](#)

**mRNA Refseq** [NM\\_020375](#)

**Protein Refseq** [NP\\_065108](#)

**MIM** [610775](#)

**UniProt ID** [Q9NQ88](#)

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