

Recombinant Full Length Human G6PC2 Protein

Cat. No. G6PC2-689HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human G6PC2 was expressed in Wheat Germ with proprietary liposome technology.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	355 amino acids
Description	This gene encodes an enzyme belonging to the glucose-6-phosphatase catalytic subunit family. These enzymes are part of a multicomponent integral membrane system that catalyzes the hydrolysis of glucose-6-phosphate, the terminal step in gluconeogenic and glycogenolytic pathways, allowing the release of glucose into the bloodstream. The family member encoded by this gene is found in pancreatic islets and does not exhibit phosphohydrolase activity, but it is a major target of cell-mediated autoimmunity in diabetes. Several alternatively spliced transcript variants of this gene have been described, but their biological validity has not been determined.
Form	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	39.1 kDa
AA Sequence	MDFLHRNGVL IIQHLQKDYR AYYTFLNFMS NVGDPRNIFF IYFPLCFQFN QTVGTKMIWV AVIGDWLNLI FKWILFGHRP YWWVQETQIY PNHSSPCLEQ FPTTCETGPG SPSGHAMGAS CVWYVMVTAA LSHTVCGMDK FSITLHRLTW

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SFLWSVFWLI QISVCISRVE IATHFPHQVI LGVIGGMLVA EAFEHTPGIQ
TASLGTYLKT NLFLFLFAVG FYLLLRVLNI DLLWSVPIAK KWCANPDWIIH
IDTPFAGLV RNLGVLFGLG FAINSEMFL SCRGGNNYTL SFRLLCALTS
LTILQLYHFL QIPTHEEHLF YVLSFCKSAS IPLTVVAFIP YSVHMLMKQS GKKSQ

Applications

Antibody Production; Functional Study: Recommended usage only, not validated yet;
Compound Screening: Recommended usage only, not validated yet.

Storage

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

GENE INFORMATION
Gene Name

G6PC2 glucose-6-phosphatase, catalytic, 2 [Homo sapiens]

Official Symbol

G6PC2

Synonyms

G6PC2; glucose-6-phosphatase, catalytic, 2; glucose-6-phosphatase 2; IGRP; islet specific glucose 6 phosphatase catalytic subunit related protein; G6Pase 2; G-6-Pase 2; islet-specific G6CP-related protein; islet-specific glucose-6-phosphatase-related protein; islet-specific glucose-6-phosphatase catalytic subunit-related protein; MGC141936

Gene ID

57818

mRNA Refseq

NM_021176

Protein Refseq

NP_066999

MIM

608058

UniProt ID

Q9NQR9

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