

Recombinant Full Length Human G6PC3 Protein, GST-tagged

Cat. No. G6PC3-5124HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human G6PC3 full-length ORF (NP_612396.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	346 amino acids
Description	This gene encodes the catalytic subunit of glucose-6-phosphatase (G6Pase). G6Pase is located in the endoplasmic reticulum (ER) and catalyzes the hydrolysis of glucose-6-phosphate to glucose and phosphate in the last step of the gluconeogenic and glycogenolytic pathways. Mutations in this gene result in autosomal recessive severe congenital neutropenia. Multiple transcript variants have been found for this gene, only one of which is expected to express a protein
Molecular Mass	65.1 kDa
AA Sequence	MESTLGAGIVIAEALQNQLAWLENVWLWITFLGDPKILFLFYFPAAYYASRRVGVIAVL WISLITEWLNLIKFWFLFGDRPFWWVHESGYYSQAPAQVHQFPSSCETGPGSPSGH CMITGAALWPIMTALSSQVATRARSRWVRVMPSLAYCTFLLAVGLSRIFILAHFPHQV LAGLITGAVLGWLMTPRVPMERELSFYGLTALALMLGTSLIYWTLFTLGLDLSWSISL AFKWCERPEWIVHDSRPFASLSRDSGAALGLGIALHSPCYAQVRRRAQLGNGQKIAC LVLAMGLLGPLDWLGHPQISLFYIFNFKYTLWPCLVLALVPWAVHMFSAQEAPPIH SS

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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	G6PC3 glucose-6-phosphatase catalytic subunit 3 [Homo sapiens (human)]
Official Symbol	G6PC3
Synonyms	G6PC3; glucose-6-phosphatase catalytic subunit 3; SCN4; UGRP; glucose-6-phosphatase 3; G-6-Pase 3; G6Pase 3; G6Pase-beta; glucose 6 phosphatase, catalytic, 3; ubiquitous glucose-6-phosphatase catalytic subunit-related protein; ubiquitously expressed G6Pase catalytic subunit-related protein; EC 3.1.3.9
Gene ID	92579
mRNA Refseq	NM_001319945
Protein Refseq	NP_001306874
MIM	611045
UniProt ID	Q9BUM1

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