

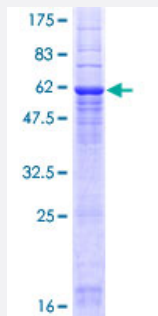
Full-Length

G6PC3 (Human) Recombinant Protein (P01)

Catalog # H00092579-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human G6PC3 full-length ORF (NP_612396.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MESTLGAGVIAEALQNQLAWLENVWLWITFLGDPKILFLFYFPAAYASRRVGI AVLWISLITEWLNLI
IFKWFLFGDRPFWWVHESGYYSQAPAQVHQFPSSCETGPGSPSGHCMITGAALWPIMTALSSQV
ATRARSRWVRVMPSLAYCTFLLAVGLSRIFILAHFPHQVLAGLITGAVLGWLMTPRVPMERELSFY
GLTALALMLGTSLIWTFTLGLDLSWSISLAFKWCERPEWIHVDSRPFASLSRDSGAALGLGIALH
SPCYAQVRRRAQLGNGQKIACLVLAMGLLGPLDWLGHP PQISLFYIFNFLKYTLWPCLVLALVPWAV
HMFSAQEAPPIHSS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

65.1

Interspecies Antigen Sequence

Mouse (84); Rat (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — G6PC3

Entrez GeneID[92579](#)**GeneBank Accession#**[NM_138387.2](#)**Protein Accession#**[NP_612396.1](#)**Gene Name**

G6PC3

Gene Alias

UGRP

Gene Description

glucose 6 phosphatase, catalytic, 3

Omim ID[611045](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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

Other Designations

G6Pase-beta|glucose-6-phosphatase catalytic subunit 3|ubiquitously expressed G6Pase catalytic subunit-related protein