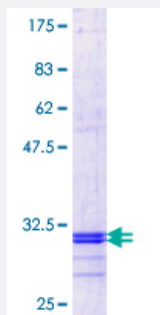


# SLC37A4 (Human) Recombinant Protein (Q01)

Catalog # H00002542-Q01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human SLC37A4 partial ORF ( NP_001458.1, 28 a.a. - 76 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RKTFSEVMPSLVEEIPLDKDDLGFITSSQSAAAYASKFVSGVLSDQMSA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.13
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
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 — SLC37A4

Entrez GeneID	<a href="#">2542</a>
GeneBank Accession#	<a href="#">NM_001467</a>
Protein Accession#	<a href="#">NP_001458.1</a>
Gene Name	SLC37A4
Gene Alias	G6PT1, G6PT2, G6PT3, GSD1b, GSD1c, GSD1d, MGC15729, PRO0685, TRG19
Gene Description	solute carrier family 37 (glucose-6-phosphate transporter), member 4
Omim ID	<a href="#">232220</a> <a href="#">232240</a> <a href="#">602671</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene regulates glucose-6-phosphate transport from the cytoplasm to the lumen of the endoplasmic reticulum, in order to maintain glucose homeostasis. It also plays a role in ATP-mediated calcium sequestration in the lumen of the endoplasmic reticulum. Mutations in this gene have been associated with various forms of glycogen storage disease. Alternative splicing in this gene results in multiple transcript variants
Other Designations	glucose-6-phosphatase, transport (glucose) protein 3 glucose-6-phosphatase, transport (glucose-6-phosphate) protein 1 glucose-6-phosphatase, transport (phosphate/pyrophosphate) protein 2 glucose-6-phosphate translocase glucose-6-phosphate transporter 1 mi

## Disease

- [Glycogen Storage Disease Type I](#)

- [Neutropenia](#)
- [Sudden Infant Death](#)