**Product Name: Recombinant Human PDIA3 (C-6His)**
**Catalog #: PHH1290**

## Summary

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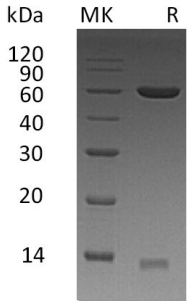
| **Name** | PDIA3/Protein disulfide-isomerase A3 |
| **Purity** | Greater than 95% as determined by reducing SDS-PAGE |
| **Endotoxin level** | <1 EU/μg as determined by LAL test. |
| **Construction** | Recombinant Human Protein Disulfide-Isomerase A3 is produced by our Mammalian expression system and the target gene encoding Ser25-Leu505 is expressed with a 6His tag at the C-terminus. |
| **Accession #** | P30101 |
| **Host** | Human Cells |
| **Species** | Human |
| **Predicted Molecular Mass** | 55.3 KDa |
| **Formulation** | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5. |
| **Shipping** | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| **Stability&Storage** | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| **Reconstitution** | |

## SDS-PAGE image




## Background

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| **Alternative Names** | PDIA3 protein;Protein disulfide-isomerase A3;58 kDa glucose-regulated protein;Disulfide isomerase ER-60;ER protein 57 |
| **Background** | PDIA3 protein is also known as Protein disulfide-isomerase A3. It is a protein that in humans is encoded by the PDIA3 gene.PDIA3 is an enzyme that belongs to the |

endoplasmic reticulum and interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. PDIA3 interacts with thiazide-sensitive sodium-chloride cotransporter in the kidney and is induced by glucose deprivation. PDIA3 is part of the major histocompatibility complex (MHC) class I peptide-loading complex (TAP1), which is important for formation of the final antigen conformation and export from the endoplasmic reticulum to the cell surface.

## Note

For Research Use Only , Not for Diagnostic Use.