

Recombinant Human PDIA3 (C-6His)

Catalog No: CC92

Description	"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."
Expression System	Human Cells
Alternative name	Mannose-Binding Protein C; MBP-C; Collectin-1; MBP1; Mannan-Binding Protein; Mannose-Binding Lectin; MBL2; COLEC1; MBL
Accession No.	P30101
Predicted Molecular Weight	55.3kDa
Apparent Molecular Weight	60kDa, reducing conditions.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
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 or ice pack. Upon receipt, store it immediately at the temperature listed below.
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.
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.

SDS-PAGE

