

## 32-7927: Recombinant Human Protein Disulfide-Isomerase A3/PDIA3 (C-6His)

**Gene :** PDIA3  
**Gene ID :** 281803  
**Uniprot ID :** A5D7E8

### Description

Source: Human Cells.  
MW :55.3kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,10%Glycerol,pH7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** SDVLELTDDNFESRISDTGSAGLMLVEFFAPWCGHCKRLAPEYAAAATRLKGIVPLAKVDCTANTNTCNKYGVSGYPTLKIFRDGEEAGAYDGPRTADGIVSHLKKQAGPASVPLRTEEEFKKFISDKDASIVGFFDDSFSEAHSEFLKASNLRDNYRFAHTNVESLVNEYDDNGEGIILFRPSHLTNKFEDKTVAYTEQKMTSGKIKKFIQENIFGICPHMTEDNKDLIQGKDLLIAYYDVDYEKNAKGSNYWRNRVMMVAKKFLDAGHKLNFVAASRKTFSHELSDFGLESTAGEIPVVAIRTAKEKFVMQEEFSRDGKALERFLQDYFDGNLKYRKSEPIPESSNDGPVKVVVAENFDEIVNENKDV LIEFYAPWCGHCKNLEPKYKELGEKLSKDPNIVIAKMDATANDVSPYEVGRGFPTIYFSPANKKLNPKKYEGGREL SDFISYLQREATNPPVIQEEKPKKKKKAQEDLVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.