

## 32-7783: Recombinant Human Protein Disulfide-Isomerase A4/PDIA4 (C-6His)

**Gene :** PDIA4  
**Gene ID :** 9601  
**Uniprot ID :** P13667

### Description

Source: Human Cells.  
MW :71.7kD.

Recombinant Human Protein Disulfide-Isomerase A4 is produced by our Mammalian expression system and the target gene encoding Val21-Leu645 is expressed with a 6His tag at the C-terminus. Protein Disulfide-Isomerase A4 (PDIA4) is an endoplasmic reticulum luminal protein that belongs to the protein disulfide isomerase family. Human PDIA4 is synthesized as a 625 amino acid precursor that contains a 20 amino acid signal sequence, and a 625 amino acid mature chain, including three thioredoxin domains. PDIA4 catalyzes the rearrangement of -S-S- bonds in proteins and is thought to be a deoxycytidine kinase. In addition, PDIA4 serves as a proteases protein disulfide isomerase, phospholipase or an arrangement of these.

### 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 :**  
VAGAEGPDEDSSNRENAIEDEEEEEEDDDEEEDDLEVKKEENGVLVNDANFDNFVADKDTVLLEFYAPWCG  
HCKQFAPEYEKIANILKDKDPPVAKIDATSASVLASRFDVSGYPTIKILKKGQAVDYEGSRTQEEIVAKVREVSQ  
PDWTPPEVTLVLTKENFDEVVNDADIILVEFYAPWCGHCKKLAPEYEKAAKELSKRSPPIPLAKVDATAETDLA  
KRFDVSGYPTLKIFRKGPRPYDYNPREKYGIVDYMIEQSGPPSKEILTKQVQEFKLDGDDVIIIIGVFKGESDPAY  
QQYQDAANNLREDYKFHHTFSTEIAKFLKVSQQLVVMQPEKFQSKYEPRSHMMDVQGSTQDSAIDKDFVLKY  
ALPLVGHKVSNDAKRYTRRPLVVVYVSDFSFYRAATQFWRSKVLEVAKDFPEYTFIAIDEEDYAGEVKDLG  
LSESGEDVNAAILDESGKKFAMEPEEFSDTLREFVTAFFKKGKLPVIKSPVVPKNNKGPVKVVVGKTFDSIVMD  
PKKDVLIIFYAPWCGHCKQLEPVYNSLAKKYKGQGLVIKMDATANDVPSDRYKVEGFPTIYFAPSGDKKNPV  
KFEGGDRDLEHLSKFIEEHATKLSRTKEELLDDHHHHHH

### Application Note

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