



Recombinant Chicken Protein disulfide-isomerase A3 (PDIA3)

Product Code	CSB-YP810332CH
Abbreviation	PDIA3
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8JG64
Product Type	Recombinant Protein
Immunogen Species	Gallus gallus (Chicken)
Purity	>85% (SDS-PAGE)
Sequence	SDVVEL SDADFESGLA ERPGLVLVEF FAPWCGHCKR LAPEYEEAAT RLKGIVPLVK VDCTANSNTC NKYGVSQYPT LKIFRDGEES GTYDGPRTAD GIVSHLKKQA GPASVALSSV ADFEKFIGDK DASVVGFFRD ASGDAYSEFM KAANNLRDNY RFAHTSEEQL VQKYEEDGEV VLYRPSRLA NKFEDSTVKY TEDKITSAKI KKFQENIFG ICPHMTEDNK DLIQKDLLV AYYDVDYEKN AKGSNYWRNR VMMAKFLD AGHKLSFAVA SRKTFGHLS EFGLDNSVGE APVVAIRTAK GDKFVMQEEF SRDGKALERF LQDYFDGNLK KYLKSEPVPE NNDGPVKVVV AENFDEIVNA EDKDVLEIFY APWCGHCKNL EPKYKELGEK LSKDPNIVIA KMDATANDVP SPYEVRFPT IYFAPAGKKQ SPKKYEGGRE VSDFISYLKR EATSTPVLQE EDKAKKSKKK AKEDL
Source	Yeast
Target Names	PDIA3
Protein Names	Recommended name: Protein disulfide-isomerase A3 EC= 5.3.4.1 Alternative name(s): Endoplasmic reticulum resident protein 57 Short name= ER protein 57 Short name= ERp57 Glucose-regulated thiol oxidoreductase 58 kDa protein
Expression Region	25-505
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates.



Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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