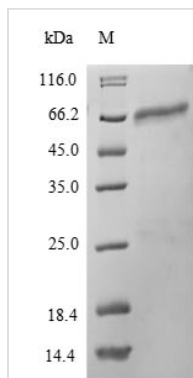




Recombinant Mouse Protein disulfide-isomerase A2 (Pdia2)

Product Code	CSB-EP017719MO
Relevance	Acts as an intracellular estrogen-binding protein. May be involved in modulating cellular levels and biological functions of estrogens in the pancreas. May act as a chaperone that inhibits aggregation of misfolded proteins .
Abbreviation	Recombinant Mouse Pdia2 protein
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.	D3Z6P0
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QGEPPGGPSEVLPEEPTGEEVPKEDGILVLNHR T LSLALQEHSALMVEFYAPW CGHCKELAPEYSKAAALLAAESAVVTLAKVDGPAEPELTKEFEVVGYP TLKFF QNGNRTNP E EYAGPKTAEGIAEWLRRRVGPSATHLEDEEGVQALMAKWDMV VIGFFQDLQGKDMATFLALAKDALDMTFGFTDQPQLFEKFGLTKD TVVLFKKF DEGRADFPVDKETGLDLGDL SRFLVIHSMHLVTEFNSQTS PKIFA AKILNHLLLF VNQTLAQHRELLTDFREAAPPFRGQVLFVMVDVAADNSHVLN YFGLKAE EAP TLRLIN VETTKKYAPTGVIAITAASVAAFCQAVLHGEIKHYLLS QEIPPDWDQGP VKTLVSKNF EQVAFDETKNV FVKFYAPWCSHCKEMAPAW EALAEKYKDREDI VIAELDATANELEAFSVLGYPTL KFFFPAGPDRKVIDYKSTRDLETFSKFLDSGG HLPKEEPKEPAASAP E AQANSTLGPKEEL
Research Area	Others
Source	E.coli
Target Names	Pdia2
Expression Region	21-527aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	72.2kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

CUSABIO team inserts the gene coding for the Mouse Pdla2 protein (21-527aa) into a plasmid vector to form recombinant plasmid, which is then introduced into e.coli cells. e.coli cells demonstrating successful uptake of the recombinant plasmid are selected based on their ability to survive in the presence of a specific antibiotic. The positive e.coli cells are cultured under conditions that promote the expression of the gene of interest. A N-terminal 6xHis-SUMO tag is linked to the protein. Following expression, affinity purification is used to isolate and purify the recombinant Mouse Pdla2 protein from the cell lysate. Denaturing SDS-PAGE is then applied to resolve the resulting recombinant Mouse Pdla2 protein, demonstrating a purity greater than 90%.

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

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.