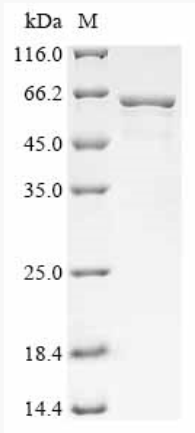


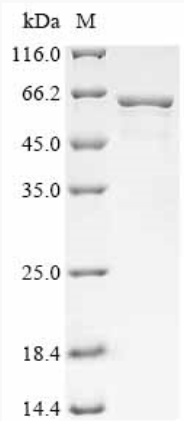
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Datasheet

Product Name	Recombinant Mouse Protein disulfide-isomerase A2(Pdia2)
Catalog Number	AAA18658
Expression host	<i>Yeast</i>
Product Info	N-terminal 6xHis-tagged
Buffer	Lyophilized from a 0.2 µm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6%Trehalose, pH 8.0. The volume before lyophilization is 20µl/vial.
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
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 (By similarity).
AA sequence	QGEEPGGPSEVLPEEPTGEEVPKEDGILVLNHRTLSLALQEHSALMVEFYAPWC GHCKELAPEYSKAAALLAAESAVVTLAKVDGPAEPELTKEFEVVGYP TLKFFQ NGNRTNP E EYAGPKTAEGIAEWLRRRVGPSATHLEDEEGVQALMAKWDMVVI GFFQDLQGKDMATFLALAKDALDMTFGFTDQPQLFEKFG LTKD TVVLFKKFDE GRADFPVDKETGLDLGDL SRFLVIHSMHLVTEFNSQTSPKIFAAKILNHL L LFVN QTLAQHRELLTDFREAAPPFRGQVLFVMVDVAADNSHVLN YFGLKAE EAPT LR LINVETTKKYAPTGVIAITAASVAAFCQAVLHGEIKHYLLS QEIPPDWDQGPVKT LVSKNFEQVAFDETKNVFVKFYAPWCSHCKEMAPAW EALAEKYKDREDIVIAE LDATANELEAFSVLGYPTL KFFPAGPDRKVIDYKSTRDLETFSKFLDSGGHLPKE EPKEPAASAPEAQANSTLGPKEEL
References	Lineage-specific biology revealed by a finished genome assembly of the mouse. Church D.M., Goodstadt L., Hillier L.W., Zody M.C., Goldstein S., She X., Bult C.J., Agarwala R., Cherry J.L., DiCuccio M., Hlavina W., Kapustin Y., Meric P., Maglott D., Birtle Z., Marques A.C., Graves T., Zhou S., Teague B., Potamousis K., Churas C., Place M., Herschleb J., Runnheim R., Forrest D., Amos-Landgraf J., Schwartz D.C., Cheng Z., Lindblad-Toh K., Eichler E.E., Ponting C.P.

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Certificate of Analysis

Product Name	Recombinant Mouse Protein disulfide-isomerase A2(Pdia2)		
Catalog Number	AAA18658		
Expression host	Yeast		
Product Info	N-terminal 6xHis-tagged		
Buffer	Lyophilized from a 0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6%Trehalose, pH 8.0. The volume before lyophilization is 20μl/vial.		
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.		
Batch Number	DD05333a7g0		
Nature	Mouse Pdia2-(AA 21-527)-D3Z6P0-Full Length of Mature Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2022.08.19		
Test Items	Specifications		Results
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		90%
Molecular Weight	Predicted band size: 58.7 kDa		Observed band size: 60 kDa



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Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	Lyophilized protein has been sterile filtered prior to lyophilization. However, the lyophilization process could potentially compromise sterility and please follow the instruction below if customers need a sterile filtered protein. Please sterile filter reconstituted lyophilized proteins with a 0.22µm filter in a clean bench (or other sterile environment) after reconstitution. Customers could use it as reference.	
Endotoxin Level	<1.0 EU per 1µg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	