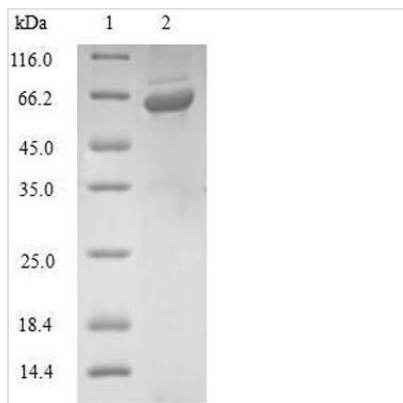




Recombinant Human Glutaredoxin-3 (GLRX3)

Product Code	CSB-EP009523HU
Relevance	Critical negative regulator of cardiac hypertrophy and a positive inotropic regulator . Crucial regulator of cellular iron homeostasis and hemoglobin maturation. May play a role in regulating the function of the thioredoxin system. Does not posses any thyoredoxin activity since it lacks the conserved motif that is essential for catalytic activity.
Abbreviation	Recombinant Human GLRX3 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.	O76003
Alias	PKC-interacting cousin of thioredoxin
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AAGAAEAAVAAVEEVGSAGQFEELLRLKAKSLLVHFWAPWAPQCAQMNEV MAELAKELPQVSFVKLEAEGVPEVSEKYEISSVPTFLFFKNSQKIDRLDGAHAP ELTKKQRHASSGSFLPSANEHLKEDLNLRLKKLTHAAPCMLFMKGTPQEPRC GFSKQMVEILHKHNIQFSSFDIFSDEEVRQGLKAYSSWPTYQQLYVSGELIGGL DIIKELEASEELDTICPKAPKLEERLKVLTNKASVMLFMKGNKQEAKCGFSKQIL EILNSTGVEYETFDILEDEEVRQGLKAYSNWPTYQQLYVKGELVGGGLDIVKELK ENGELLPILRGEN
Research Area	Signal Transduction
Source	E.coli
Target Names	GLRX3
Protein Names	Recommended name: Glutaredoxin-3 Alternative name(s): PKC-interacting cousin of thioredoxin Short name= PICOT PKC-theta-interacting protein Short name= PKCq-interacting protein Thioredoxin-like protein 2
Expression Region	1-335aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	64.3kDa
Protein Length	Full Length
Image	



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

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.