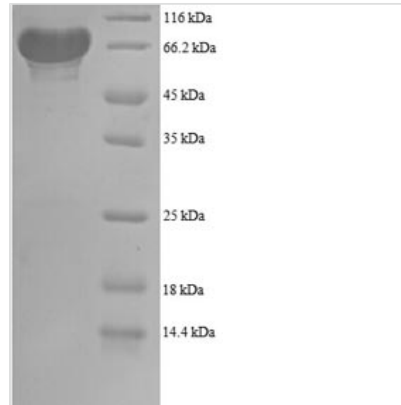




Recombinant Human 6-phosphogluconate dehydrogenase, decarboxylating (PGD), partial

Product Code	CSB-RP011554h
Relevance	Catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO ₂ , with concomitant reduction of NADP to NADPH.
Abbreviation	Recombinant Human PGD protein, partial
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.	P52209
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	ADIALIGLAVMGQNLILNMNDHGFVVCFAFNRTVSKVDDFLANEAKGTKVVGAQ SLKEMVSKLKKPRRIILLVKAGQAVDDFIEKLVPLLDTGDIIDGGNSEYRDTRR CRDLKAKGILFVSGVSGGEEGARYGPSLMPGGNKEAWPHIKTIFQGIAAKVG TGEPCCDWVGDEGAGHFVKMVHNGIEYGDMQLICEAYHLMKDVLGMAQDEM AQAFEDWNKTELDSFLIEITANILKFQDTDGKHLLPKIRDSAGQKGTGKWT AISA LEYGVPVTLIGEAVFARCLSSLKDERIQASKKLKGPQKFQFDGDKKS FLEDIRK ALYASKIISYAQGFMLLRQAATEFGWTLNYGGIALMWRGGCIIRSV FLGKIKDAF DRNPELQNLILLDDFFKSAVENCQDSWRRRAVSTGVQAGIPMPC FTTALS FYDG YRHEMLPASLIQAQRDYFGAHTYELLA KPGQFIHTNWTGHGG TVSSSSYNA
Research Area	Metabolism
Source	E.coli
Target Names	PGD
Expression Region	4-483aa
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	79.8kDa
Protein Length	Partial
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.