

Product datasheet

Recombinant human PGD protein ab208326

1 Image

Description

Product name	Recombinant human PGD protein
Biological activity	Specific activity is > 10 units/mg, in which one unit oxidize 1.0 μmole of 6-phospho-D-gluconate to D-ribulose 5-phosphate per minute at pH 8.0 at 25°C, in the presence of β-NADP.
Purity	> 90 % SDS-PAGE. ab208326 purified by using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	P52209
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MGSSHHHHHH SSGLVPRGSH MAQADIALIG LAVMGQNLIL NMNDHGFVVC AFNRTVSKVD DFLANEAKGT KVVGAQSLKE MVSKLKKPRR IILLVKAGQA VDDFIEKLVP LLDTGDIIID GGNSEYRDTT RRCRDLKAKG ILFVGSGVSG GEEGARYGPS LMPGGNKEAW PHIKTIFQGI AAKVGTGEPC CDWVGDEGAG HFVKMVHNGI EYGDMQLICE AYHLMKDVLG MAQDEMAQAF EDWNKTELDS FLIEITANIL KFQD TDGKHL LPKIRDSAGQ KGTGKWTAIS ALEYGVVPTL IGEAVFARCL SSLKDERIQA SKKLGKPKF QFDGDKKSFL EDIRKALYAS KIISYAQGFM LLRQAATEFG WTLNYGGIAL MWRGGCIIRS VFLGKIKDAF DRNPELQNL LDDFFKSAVE NCQDSWRRAV STGVQAGIPM PCFTTALSFY DGYRHEMLPA SLIQAQRDYF GAHTYELLA PGQFIHTNWT GHGGTVSSSS YNA </pre>
Predicted molecular weight	55 kDa including tags
Amino acids	1 to 483
Tags	His tag N-Terminus
Additional sequence information	NP_002622

Specifications

Our [Abpromise guarantee](#) covers the use of **ab208326** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Liquid

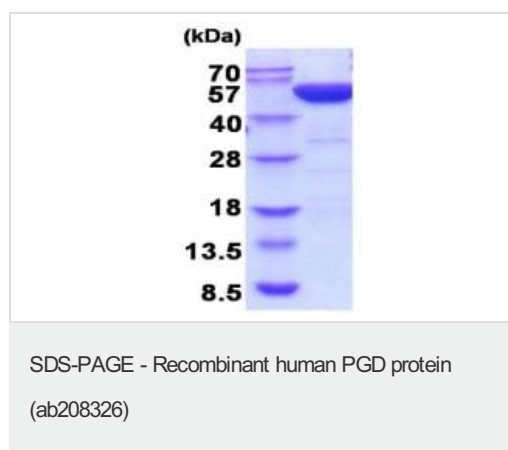
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 10% Glycerol, 0.58% Sodium chloride, 0.02% DTT, 0.32% Tris HCl This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO(2), with concomitant reduction of NADP to NADPH.
Pathway	Carbohydrate degradation; pentose phosphate pathway; D-ribulose 5-phosphate from D-glucose 6-phosphate (oxidative stage): step 3/3.
Sequence similarities	Belongs to the 6-phosphogluconate dehydrogenase family.
Cellular localization	Cytoplasm.

Images



15% SDS-PAGE analysis of ab208326 (3 µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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