

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



PGLS Peptide

Cat No.: BS5852P

Background

PGLS (6-phosphogluconolactonase), also known as 6PGL, is a 258 amino acid protein that belongs to the glucosamine/galactosamine-6-phosphate isomerase family and the 6-phosphogluconolactonase subfamily. Localizing to cytoplasm, PGLS is a particularly active enzyme that catalyzes the hydrolysis of 6-phosphogluconolactone to 6-phosphogluconate, which is the second step of the pentose phosphate pathway. Highly conserved, PGLS shares 33% to 37% sequence similarity with yeast Sol1, Sol2, Sol3 and Sol4, 26% similarity with the C-terminal portion of human H6PD, 20% to 25% similarity with bacterial devB proteins and 17% similarity with human GNPDA1. PGLS erythrocyte deficiency, an autosomal dominant disorder, in conjunction with G6PD deficiency, may play a role in hemolytic anemia.

Swiss-Prot

O95336

Applications

Blocking

Specificity

This peptide can be used with studies using BS5852 PGLS pAb.

Purification & Purity

Synthetic peptide PGLS. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term.

Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

1660 South Highway 100, Suite 500 St. Louis Park, MN
55416, USA.

Email: info@bioworlde.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co, Ltd.

No 9, weidi road Qixia District Nanjing, 210046,
P, R.China.

Email: info@biogot.com

Tel: +86-025-68037686 Fax: +86-025-68035151