

Recombinant Human PGLS, His-tagged

Cat. No. PGLS-30894TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PGLS with an N terminal His tag ; predicted mwt: 29.7 kDa.
Species	Human
Source	E.coli
ProteinLength	258 amino acids
Description	6-Phosphogluconolactonase is an enzyme in the pentose phosphate pathway. It converts 6-phosphogluconolactone to 6-phosphogluconate.
Conjugation	HIS
Molecular Weight	29.700kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MAAPAPGLIS VFSSSQELGA ALAQLVAQRA
 ACCLAGARAR FALGLSGGSL VSMLARELPA AVAPAGPASL ARWTLGFCDE
 RLVPFDHAES TYGLYRTHLL SRLPIPESQV ITINPELPVE EAAEDYAKKL
 RQAFQGDSIP VFDLLILGVG PDGHTCSLFP DHPLLQEREK IVAPISDSPK
 PPPQRVTLTL PVLNAARTVI FVATGEGKAA VLKRILEDQE ENPLPAALVQ
 PHTGKLCWFL DEAAARLLTV PFEKHSTL

GENE INFORMATION

Gene Name PGLS 6-phosphogluconolactonase [Homo sapiens]

Official Symbol PGLS

Synonyms PGLS; 6-phosphogluconolactonase; 6PGL;

Gene ID 25796

mRNA Refseq NM_012088

Protein Refseq NP_036220

MIM 604951

Uniprot ID O95336

Chromosome Location 19p13.2

Pathway

Metabolic pathways, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Pentose Phosphate Pathway, organism-specific biosystem; Pentose phosphate pathway, organism-specific biosystem; Pentose

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phosphate pathway, conserved biosystem;

Function

6-phosphogluconolactonase activity; hydrolase activity; monosaccharide binding;

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