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: NoneConstituents: 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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