

PGLS recombinant protein

PGLS, 1-258aa, Human, His tag, E Coli

CATALOG # AAA48660	HOST E Coli	APPLICATIONS SDS-Page
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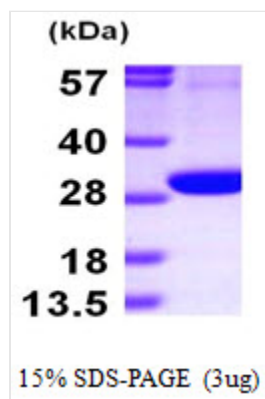
PRODUCT SYNONYMS

PGLS; 1-258aa; Human; His tag; E Coli; 6-phosphogluconolactonase; 6PGL; PGLS recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH 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
Sequence Length	258
Applicable Applications for PGLS recombinant protein	SDS-PAGE
Tag	His-tag
Domain	1-258aa
Preparation and Storage	Can be stored at 2-8 degree C short term. For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PGLS recombinant protein	6-phosphogluconolactonase, also known PGLS, is an enzyme in the second step pentose phosphate pathway, which is essential for the synthesis of nucleotide sugars and NADPH, the main source of reducing power. It converts 6-phosphogluconolactone to 6-phosphogluconate. Recombinant human PGLS protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PGLS recombinant protein	Metabolism
References	Collard F., et al. (1999) FEBS Lett. 459 (2):223-6. ; Hong M K., et al. (2008) Acta Crystallogr Sect F Struct Biol Cryst Commun. 64 (11):1016-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912586
NCBI GeneID	25796
NCBI Accession #	NP_036220
NCBI GenBank Nucleotide #	NM_012088.2
UniProt Accession #	O95336
Molecular Weight	29.7 kDa (278aa) confirmed by MALDI-TOF
NCBI Official Full Name	6-phosphogluconolactonase
NCBI Official Synonym Full Names	6-phosphogluconolactonase
NCBI Official Symbol	PGLS
NCBI Official Synonym Symbols	6PGL; HEL-S-304
NCBI Protein Information	6-phosphogluconolactonase
UniProt Protein Name	6-phosphogluconolactonase
UniProt Gene Name	PGLS
UniProt Synonym Gene Names	6PGL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.