Recombinant human PRH1 protein

Catalog Number: ATGP2207

PRODUCT INFORMATION

Expression system
E.coli

Domain
17-122aa

UniProt No.
P02810

NCBI Accession No.
NP_006241

Alternative Names
Proline-rich protein HaeIII subfamily 1 precursor, PA

PRODUCT SPECIFICATION

Molecular Weight
13.4 kDa (129aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
0.25mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol

Purity
> 80% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
PRH1 act as highly potent inhibitors of crystal growth of calcium phosphates. They provide a protective and reparative environment for dental enamel which is important for the integrity of the teeth. Recombinant human PRH1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence
<MGSSHHHHHH SSGLVPRGSH MGS>QDLNEDV SQEDVPLVIS DGGDSEQFLD EERQGPPLGG QQSQPSAGDG

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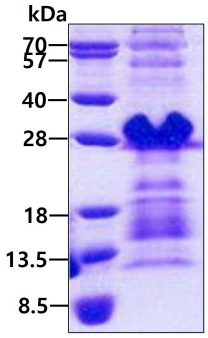
NQDDGPQQGP PQQGGQQQQG PPPPQGKPQG PPQQGGHPPP PQGRPQGPPQ QGGHPRPPR

General References

Friedman,R.D., et al. (1975) Am. J. Hum. Genet. 27 (3), 304-314

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.