

Recombinant human HYKK protein

Catalog Number: ATGP2854

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-373aa

UniProt No.

A2RU49

NCBI Accession No.

NP_001013641

Alternative Names

Hydroxylysine kinase, AGPHD1, Aminoglycoside phosphotransferase domain-containing protein 1, LOC123688

PRODUCT SPECIFICATION

Molecular Weight

44.3 kDa (396aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 40% glycerol, 1mM DTT, 0.1mM PMSF

Purity

> 90% 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

HYKK belongs to the aminoglycoside phosphotransferase family. This protein catalyzes the GTP-dependent phosphorylation of 5-hydroxy-L-lysine. Recombinant human HYKK 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>MSSGNYQ QSEALSKPTF SEEQASALVE SVFGLKYSKV RPLPSYDDQN
FHVYVSKTKD GPTEYVLKIS NTKASKNPDL IEVQNHIMF LKAAGFPTAS VCHTKGDNTA SLVSVDSGSE IKSylVRLLT

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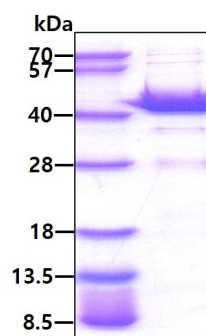
YLPGRPIAEL PVSPQLLYEI GKLAAKLDKT LQRFHHPKLS SLHRENFIVN LKNVPLLEKY LYALGQNRNR EIVEHVIHLF
KEEVMTKLSH FRECIHGDLD NDHNILIESS KSASGNAEYQ VSGILDFGDM SYGYYVFEVA ITIMYMMIES KSPIQVGGHV
LAGFESITPL TAVEKGALFL LVCSRFCQSL VMAAYSCQLY PENKDYLMTV AKTGWKHLQQ MFDMGQKAVE EIWFFETAKSY
ESGISM

General References

Veiga-da-Cunha, M., et al. (2012) J. Biol. Chem. 287 (10), 7246-7255

DATA

SDS-PAGE



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