

Recombinant human CNPY1 protein

Catalog Number: ATGP2566

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-92aa

UniProt No.

Q3B7I2

NCBI Accession No.

NP_001096646.2

Alternative Names

Canopy 1 homolog, Protein canopy homolog 1

PRODUCT SPECIFICATION

Molecular Weight

13.3 kDa (115aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 85% 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

CNPY1 is expressed in the midbrain-hindbrain (MHB) boundary in zebrafish, binds FGFR1, and plays a role in FGF signaling. Recombinant human CNPY1 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>MNDYKLE EDPVTKERTF KRFAPRKGDK IYQEFKKLYF YSDAYRPLKF ACETIIIEYE
DEISSLIAQE THYLADKLCS EKSDLCETSA NHTEL

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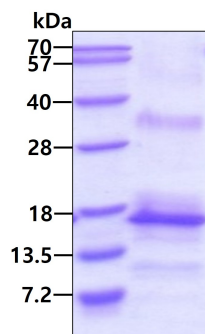
General References

Hillier L.W., et al. (2003) Nature. 424:157-16

Scherer S.W., et al. (2003) Science. 300:767-772

DATA

SDS-PAGE



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