

## AR51386PU-N

## Human CNPY1 (1-92, His-tag) - Purified

|                          |                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Alternate names:</b>  | Canopy 1 homolog, Protein canopy homolog 1                                                                                                                                                                                                                                                                                                                                            |
| <b>Quantity:</b>         | 0.25 mg                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration:</b>    | 0.5 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                              |
| <b>Background:</b>       | CNPY1 is expressed in the midbrain-hindbrain (MHB) boundary in zebrafish, binds FGFR1, and plays a role in FGF signaling.                                                                                                                                                                                                                                                             |
| <b>Uniprot ID:</b>       | <a href="#">Q3B7I2</a>                                                                                                                                                                                                                                                                                                                                                                |
| <b>NCBI:</b>             | <a href="#">NP_001096646</a>                                                                                                                                                                                                                                                                                                                                                          |
| <b>GeneID:</b>           | <a href="#">285888</a>                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source:</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Format:</b>           | <b>State:</b> Liquid purified protein<br><b>Purity:</b> >90% by SDS - PAGE<br><b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT                                                                                                                                                                                                       |
| <b>Description:</b>      | Recombinant human CNPY1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.<br><b>AA Sequence:</b><br>MGSSHHHHH SSGLVPRGSH MGSMNDYKLE EDPVTKERTF KRFAPRKGDK IYQEFKKLYF<br>YSDAYRPLKF ACETIIIEYE DEISSLIAQE THYLADKLCS EKSDLCETSA NHTEL<br><b>Molecular weight:</b> 13.3 kDa (115aa) confirmed by MALDI-TOF |
| <b>Storage:</b>          | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.                                                                                                                                                                                                                         |
| <b>General Readings:</b> | Hillier L.W., et al. (2003) Nature. 424:157-16<br>Scherer S.W., et al. (2003) Science. 300:767-772                                                                                                                                                                                                                                                                                    |
| <b>Pictures:</b>         |                                                                                                                                                                                                                                                                                                                                                                                       |

