



Recombinant Protein Technical Manual

Recombinant Human CNPY2 Protein (His Tag)

RPES4101

Product Data:

Product SKU: RPES4101

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: Q9Y2B0

Protein Information:

Molecular Mass: 20 kDa

AP Molecular Mass: 20 kDa

Tag: C-His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: HP10390;MSAP;TMEM4;ZSIG9

Immunogen Information:

Sequence: Met 1-Ser178

Background:

CNPY2 is a novel MIR-interacting protein that enhances neurite outgrowth and increases myosin regulatory light chain. CNPY2 enhances migration of C6 glioma cells through phosphorylation of the myosin regulatory light chain. It is expressed in different tissues, including brain. Overexpression of CNPY2 enhanced the motility of glioma cells measured in matrigel invasion chambers and using a scratch assay. Downregulation of CNPY2 by RNA interference significantly decreased glioma cell migration and phosphorylation of MRLC. Inhibition of the corresponding MRLC kinase by ML-7 did not affect migration of CNPY2-overexpressing cells.