



Recombinant Protein Technical Manual

Recombinant Human CDKL2 Protein (His Tag)

RPES2784

Product Data:

Product SKU: RPES2784

Size: 50µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: Q92772

Protein Information:

Molecular Mass: 58.3 kDa

AP Molecular Mass: 63 kDa

Tag: N-His

Bio-activity:

Purity: > 80 % as determined by reducing SDS-PAGE.

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

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

Application:

Synonyms: KKIAMRE;P56

Immunogen Information:

Sequence: Met 1-His 493

Background:

Cyclin-dependent kinase-like 2 (Cdkl2) is a member of cdc2-related serine / threonine protein kinase family and it is found expressed in various brain regions, including the cerebral cortex, entorinal cortex, hippocampus, amygdala, and dorsal thalamus. The high expression in these brain regions suggests that Cdkl2 may have functions in cognition and emotion processes. Cdkl2 accumulates primarily in the cytoplasm, with lower levels in the nucleus.