



Recombinant Protein Technical Manual

**Recombinant Human Protein δ Homolog 1/DLK1
Protein (His Tag)
RPES2443**

Product Data:

Product SKU: RPES2443

Size: 10 μ g

Species: Human

Expression host: Human Cells

Uniprot: P80370

Protein Information:

Molecular Mass: 30.2 kDa

AP Molecular Mass: 35 kDa

Tag: C-6His

Bio-activity:

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

Endotoxin: < 1.0 EU per μ g 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 a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

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

Application:

Synonyms: Protein Delta Homolog 1; DLK; pG2; DLK1; DLK

Immunogen Information:

Sequence: Ala24-Pro297

Background:

Protein Delta Homolog 1 (DLK) is a transmembrane protein which contains a signal peptide, an extracellular domain with six tandem epidermal growth factor (EGF)-like domains, a single pass transmembrane domain, and a short cytoplasmic tail. It is found within the stromal cells in close contact to the vascular structure of placental villi, yolk sac, fetal liver, adrenal cortex and pancreas and in the beta cells of the islets of Langerhans in the adult pancreas. In addition, it is detected in some forms of neuroendocrine lung tumor tissue. DLK may have an important role in neuroendocrine differentiation.