

# Recombinant human Pref-1/DLK1/FA1 protein

Catalog Number: ATGP3245

## PRODUCT INFORMATION

---

### Expression system

Baculovirus

### Domain

24-303aa

### UniProt No.

P80370

### NCBI Accession No.

NP\_003827

### Alternative Names

Delta1, DLK, DLK-1, FA1, pG2, Pref-1, PREF1, ZOG, DLK1

## PRODUCT SPECIFICATION

---

### Molecular Weight

30.7 kDa (288aa)

### Concentration

0.25mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### 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

DLK1, also known as protein delta homolog 1, belongs to the Notch/Delta/Serrate family of epidermal growth factor (EGF) -like repeat-containing proteins that act as ligands in the Notch signaling pathway. It has six well conserved epidermal-growth-factor motifs and contains up to ten O-glycosylation and N-glycosylation sites, six of which are differentially glycosylated. Recombinant human DLK1, fused to His-tag at C-terminus, was expressed

# Recombinant human Pref-1/DLK1/FA1 protein

Catalog Number: ATGP3245

in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

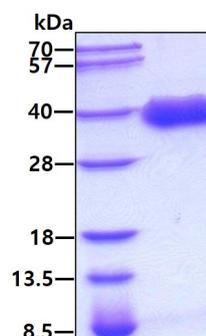
AECFPACNPQ NGFCEDDNVC RCQPGWQGPL CDQCVTSPGC LHGLCGEPGQ CICTDGWDGE LCDRDVRACS  
SAPCANNGTC VSLDDGLYEC SCAPGYSGKD CQKKDGPCVI NGSPCQHGGT CVDDEGRASH ASCLCPPGFS GNFCEIVANS  
CTPNPCENDG VCTDIGGDFR CRCPAGFIDK TCSRPTNCA SSPCQNGGTC LQHTQVSYEC LCKPEFTGLT CVKKRALSPQ  
QVTRLPSGYG LAYRLTPGVH ELPVQQPEHR ILKVSMKELN KKTPLLTEGQ <LEHHHHHH>

## General References

Jensen CH., et al. (1994) Eur J Biochem. 225:83-92.  
Smas CM., et al. (1994) Biochemistry. 33:9257-9265.

## DATA

### SDS-PAGE



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