

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

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in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

AECFPACNPQ NGFCEDDNVC RCQPGWQGGL 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>

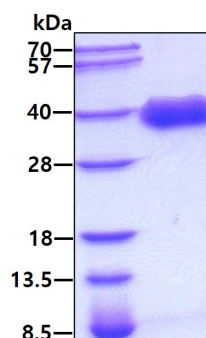
General References

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.