

# Recombinant human DAN protein

Catalog Number: ATGP1967

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

18-181aa

### UniProt No.

P41271

### NCBI Accession No.

NP\_005371

### Alternative Names

Neuroblastoma suppressor of tumorigenicity 1, D1S1733E, DAN, DAND1, NB, NO3

## PRODUCT SPECIFICATION

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### Molecular Weight

20 kDa (187aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### 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

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### Description

Neuroblastoma suppressor of tumorigenicity 1, also known as NBL1, is a member of the evolutionarily conserved CAN (Cerberus and DAN) family of proteins, which contain a domain resembling the CTCK (C-terminal cystine knot-like) motif found in a number of signaling molecules. NBL1 is a candidate as a tumor suppressor of neuroblastoma and may play a role in preventing cells from entering the final stage (G1/S) of the transformation process. It is produced in small neurons of the dorsal root ganglion and its expression is activated by MATH-1. Recombinant human NBL1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

## Amino acid Sequence

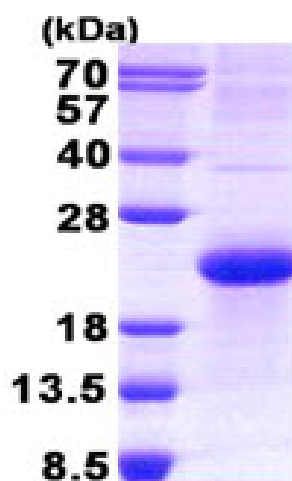
MGSSHHHHHHH SSGLVPRGSH MGSAPPINK LALFPDKSAW CEAKNITQIV GHSGCEAKSI QNRACLGQCF SYSVPNTFPQ  
STESLVHCDS CMPAQSMWEI VTLECPGHEE VPRVDKLVK ILHCSCQACG KEPSHEGLSV YVQGEDGPGS QPGTHPHPHP  
HPHPGGQTPE PEDPPGAPHT EEEGAED

## General References

Kim A S., et al. (2003) Brain Res Dev. 145:159-162  
Gerlach Bank L M., et al. (2004) Dev Dyn. 229: 219-230.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)