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Recombinant human DAN protein

Catalog Number: ATGP1967

PRODUCT INFORMATION

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

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

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

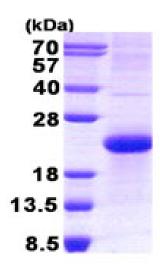
MGSSHHHHHH SSGLVPRGSH MGSAPPPINK LALFPDKSAW CEAKNITQIV GHSGCEAKSI QNRACLGQCF SYSVPNTFPQ STESLVHCDS CMPAQSMWEI VTLECPGHEE VPRVDKLVEK ILHCSCQACG KEPSHEGLSV YVQGEDGPGS QPGTHPHPHP HPHPGGQTPE PEDPPGAPHT EEEGAED

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



15% SDS-PAGE (3ug)

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