Recombinant human DCNL2/DCUN1D2 protein

Catalog Number: ATGP1158

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-259aa

UniProt No.
Q6PH85

NCBI Accession No.
NP_001014305

Alternative Names
Defective in cullin neddylation 1 domain containing 2, DCUN1 domain-containing protein 2, DCN1-like protein 2, C13orf17, DCUN1L2

PRODUCT SPECIFICATION

Molecular Weight
32.3 kDa (279aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

Purity
> 95% 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
DCN1-like protein 2, also known as DCuN1D2, which contains one DCuN1 domain and 1 uBA-like domain, may play a role in the neddylation of cullins that regulate SCF-type ubiquitin ligase complexes. The gene encoding Dcun1D2 exists on human chromosome 13. Chromosome 13 houses key tumor suppressor genes, including BRCA2 and RB1, which are associated with breast cancer susceptibility and retinoblastoma, respectively. Recombinant human DCuN1D2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography techniques.

Amino acid Sequence

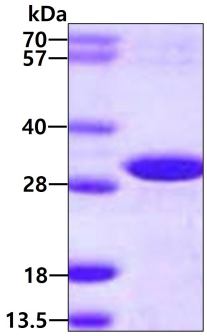
MGSSHHHHHH SSGLVPRGSH MHKLKSSQKD KVRQFMACTQ AGERTAIYCL TQNEWRLDEA TDSFFQNPDS LHRESMRNAV DKKKLERLYG RYKDPQDENK IGVDGIQQFC DDLSLDPASI SVLVIAWKFR AATQCEFSRK EFLDGMTELG CDSMEKLKAL LPRLEQELKD TAKFKDFYQF TFTFAKNPGQ KGLDLEMAVA YWKLVLSGRF KFLDLWNTFL MEHHKRSIPR DTWNLLLDFG NMIADDMSNY DEEGAWPVLI DDFVEYARPV VTGGKRSLF

General References

Hassler M., et al. (2007) Mol Cell. 28:371-385.
Dunham A., et al. (2004) Nature. 428:522-528.

DATA

SDS-PAGE



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