

# Recombinant human DBNDD2 protein

Catalog Number: ATGP1653

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-161aa

### UniProt No.

Q9BQY9

### NCBI Accession No.

NP\_001041688

### Alternative Names

Dysbindin domain-containing protein 2, C20orf35, CK1BP, HSMNP1

## PRODUCT SPECIFICATION

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### Molecular Weight

20.1 kDa (185aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

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

DBNDD2, also known as dysbindin domain-containing protein 2, belongs to the dysbindin family. DBNDD2 may modulate the activity of casein kinase-1 and inhibits CSNK1D autophosphorylation (in vitro). Recombinant human DBNDD2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMDPNPR AALERQQLRL RERQKFFEDI LQPETEFVFP LSHLHLESQR PPIGSISSME

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VNVDTLEQVE LIDLGDPDAA DVFLPCEDPP PTPQSSGMDN HLEELSLPVP TSDRTTSRTS SSSSSDSSTN LHSPNPSDDG  
ADTPLAQSDE EEERGDGGAE PGACS

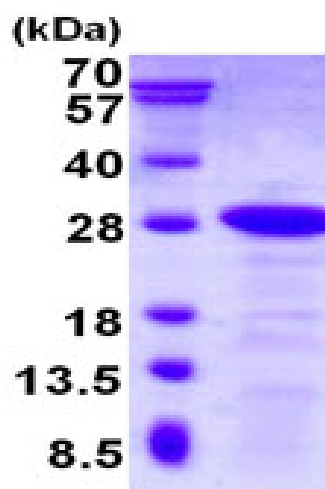
## General References

Yin H., et al. (2006) *Biochemistry*. 45:5297-5308

Hu R.-M., et al. (2000) *Proc. Natl. Acad. Sci. u.S.A.* 97:9543-9548

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)