# **PRODUCT INFORMATION**

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**

**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

#### 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 SSGLVPRGSH MGSH>MDPNPR AALERQQLRL RERQKFFEDI LQPETEFVFP LSHLHLESQR



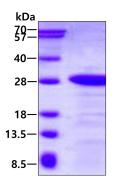
PPIGSISSME VNVDTLEQVE LIDLGDPDAA DVFLPCEDPP PTPQSSGMDN HLEELSLPVP TSDRTTSRTS SSSSDSSTN LHSPNPSDDG ADTPLAQSDE EEERGDGGAE PGACS

#### **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.