

Recombinant human CSDC2 protein

Catalog Number: ATGP2064

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-153aa

UniProt No.

Q9Y534

NCBI Accession No.

NP_055275

Alternative Names

Cold shock domain-containing protein C2, dj347H13.2, PIPPIN

PRODUCT SPECIFICATION

Molecular Weight

19.2 kDa (176aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

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

CSDC2, as known as cold shock domain-containing protein C2, is RNA-binding factor which binds specifically to the very 3'-uTR ends of both histone H1 and H3. 3 mRNAs, encompassing the polyadenylation signal. The cold shock domain containing proteins (CSDPs) are one group of the evolutionarily conserved nucleic acid-binding proteins widely distributed in bacteria, plants, animals, and involved in various cellular processes, including adaptation to low temperature, cellular growth, nutrient stress and stationary phase. It may play a central role in the negative regulation of histone variant synthesis in the developing brain. Recombinant human CSDC2 protein,

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fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MTSESTS PPVVPPLHSP KSPVWPTFPF HREGSRVWER GGVPPLDLPS
PLPTKRTRTY SATARASAGP VFKEGVCKQFS RSQGHGFITP ENGSEDIFVH VSDIEGEYVP VEGDEVITYKM CIPPKNQKF
QAVEVLTQL APHTPHETWS GQVWGS

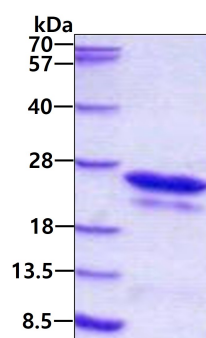
General References

Yang C. et al. (2012) PLoS One. 7:e32012

Park SJ. et al. (2009) Plant Cell Physiol. 50:869-878

DATA

SDS-PAGE



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