

Product information



CSDC2, 1-153aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2064

Full name: Cold shock domain-containing protein C2

NCBI Accession No.: NP_055275

Synonyms: dJ347H13.2, PIPPIN

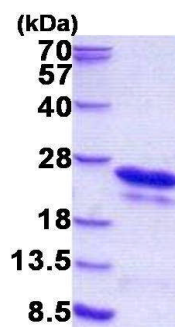
Description: CSDC2, as known as cold shock domain-containing protein C2, is RNA-binding factor which binds specifically to the very 3'-UTR ends of both histone H1 and H3.3 mRNAs, encompassing the polyadenylation signal. The cold shock domain containing proteins (CSDPs) are one group of the evolutionarily 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, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol
0.1M NaCl

Molecular Weight: 19.2 kDa(176aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMTSESTS PPVVPPLHSP KSPVWPTFPF HREGSRVWER GGVPPRDLPSP LPTKRTRTY SATARASAGP
VFKGVCKQFS RSQGHGFITP ENGSEDFVH VSDIEGEYVP VEGDEVTYKM CPIPPKNQKF QAVEVLTQL APHTPHETWS GQVVG

General references:

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

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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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