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## Product Data Sheet

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Product Name: CSDC2 Human  
 Cat. No.: GP23246  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cold shock domain-containing protein C2; RNA-bindingprotein PIPPin; PIPPIN; DJ347H13.2.		
Amino Acid Sequence	MGSSHHHHHSSGLVPRGSH MGSMTSESTSPVVPPLHSP KSPVWPTFPF HREGSRVWER GGVPPRDLPs PLPTKRTRTY SATARASAGP VFKGVCKQFSRSQGHGFITP ENGSEDIFVH VSDIEGEYVP VEGDEVITYKM CIPPPKNQKF QAVEVVLTLQL APHTPHETWSGQVVGS.		
Formulation	The CSDC2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

### Introduction

Cold shock domain-containing protein C2 (CSDC2) is RNA-binding factor that binds specifically to the very 3'-UTR ends of both histone H1 and H3. 3 mRNAs encompass the polyadenylation signal. The CSDPs (cold shock domain containing proteins) are one group of the evolutionarily conserved nucleic acid-binding proteins extensively distributed in bacteria, plants, animals, and involved in a variety of cellular processes, including adaptation to low temperature, cellular growth, nutrient stress and stationary phase. CSDC2 has a central role in the negative regulation of histone variant synthesis in the developing brain.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

CSDC2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

**Caution: Product has not been fully validated for medical applications. For research use only.**

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chain containing 176 amino acids (1-153) and having a molecular mass of 19.2kDa. CSDC2 is fused to a 23 amino acid His-tagat N-terminus.

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