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# **Recombinant human CLNS1A protein**

Catalog Number: ATGP1799

#### PRODUCT INFORMATION

### **Expression system**

E.coli

#### **Domain**

1-237aa

#### **UniProt No.**

P54105

#### **NCBI Accession No.**

NP 001284

#### **Alternative Names**

Methylosome subunit pICln, CLCI, CLNS1B, Icln

## PRODUCT SPECIFICATION

#### **Molecular Weight**

28.7 kDa (261aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 2mM 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**

CLNS1A, also as known as, Methylosome subunit pICIn, belongs to the pICIn (TC 1. A. 47) family. CLNS1A protein has functions in multiple regulatory pathways. This protein interaction with Sm proteins inhibits their assembly on u RNA and interferes with snRNP biogenesis. It is Inhibits the binding of survival motor neuron protein (SMN) to Sm proteins. And this protein is also found associated with the plasma membrane where it functions as a chloride current regulator. Recombinant human CLNS1A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

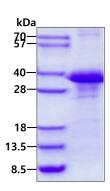
<MGSSHHHHHH SSGLVPRGSH> MGSHMSFLKS FPPPGPAEGL LRQQPDTEAV LNGKGLGTGT LYIAESRLSW LDGSGLGFSL EYPTISLHAL SRDRSDCLGE HLYVMVNAKF EEESKEPVAD EEEEDSDDDV EPITEFRFVP SDKSALEAMF TAMCECQALH PDPEDEDSDD YDGEEYDVEA HEQGQGDIPT FYTYEEGLSH LTAEGQATLE RLEGMLSQSV SSQYNMAGVR TEDSIRDYED GMEVDTTPTV AGQFEDADVD H

# **General References**

Pu W.T., et al. (1999) Mol. Cell. Biol. 19:4113-4120 Friesen W.J., et al. (2001) Mol. Cell. Biol. 21:8289-8300

# **DATA**

# **SDS-PAGE**



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

