

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 pICln, belongs to the pICln (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.

Recombinant human CLNS1A protein

Catalog Number: ATGP1799

Amino acid Sequence

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

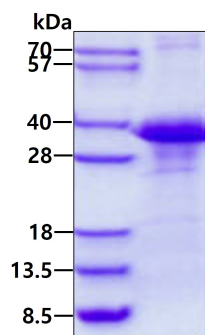
General References

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.