
Product Data Sheet

Product Name: CLNS1A Human

Cat. No.: GP23178

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CLNS1A; CLCI; ICLN; CLNS1B; Methylosome subunit pICln; Chloride channel; nucleotide sensitive 1A; Chloride conductance regulatory protein ICln; Chloride ion current inducer protein; Reticulocyte pICln.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSFLKS FPPGPAEGL LRQPDTEAV LNGKGLGTGT LYIAESRLSW LDGSGLGFSL EYPTISLHAL SRDRSDCLGE HLYVMVNAKF EEESKEPVAD EEEEDSDDDV EPITEFRFVP SDKSALEAMF TAMCECQALH PDPEDESDDD YDGEEYDVEA HEQGQGDIPY FYTYEEGLSH LTAEGQATLE RLEGMLSQSV SSQYNMAGVR TEDSIRDYED GMEVDTTPTV AGQFEDADVD H.		
Formulation	The CLNS1A solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 2mM DTT.		

Introduction

Methylosome subunit pICln (CLNS1A), is a member of the pICln (TC 1.A.47) family. CLNS1A takes part in multiple regulatory pathways. CLNS1A interaction with Sm proteins, inhibits their compilation on U RNA and interferes with snRNP biogenesis. CLNS1A inhibits the binding of survival motor neuron protein (SMN) to Sm proteins. Methylosome subunit pICln is related with the plasma membrane where it functions as a chloride present regulator.

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

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

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CLNS1A Human Recombinant produced in E. coli is a single polypeptide chain containing 261 amino acids (1-237) and having a molecular mass of 28.8kDa (molecular size on SDS-PAGE will appear higher).CLNS1A is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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