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CLNS1A Human

Catalog #:PRPS-1284

For research use only.

Description: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.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

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 TE

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The CLNS1A solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 2mM DTT.

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.

Usage:
NeoBiolab's products are furnished forLABORATORY RESEARCHUSEONLY. They may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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